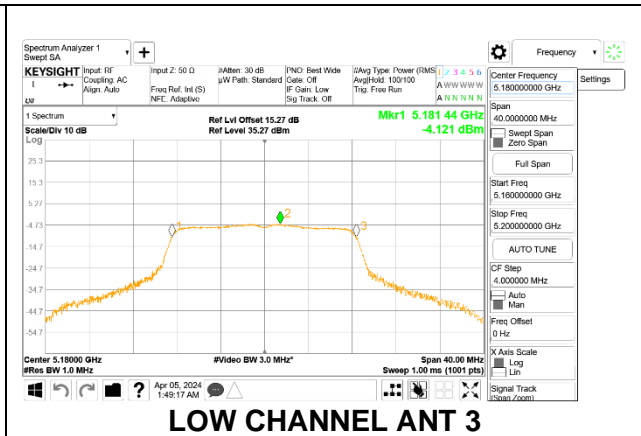
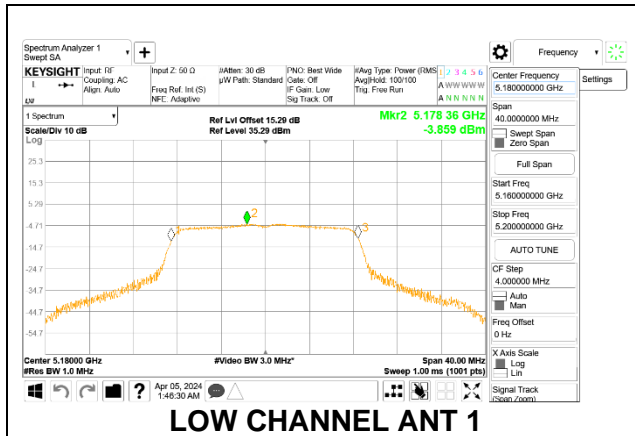
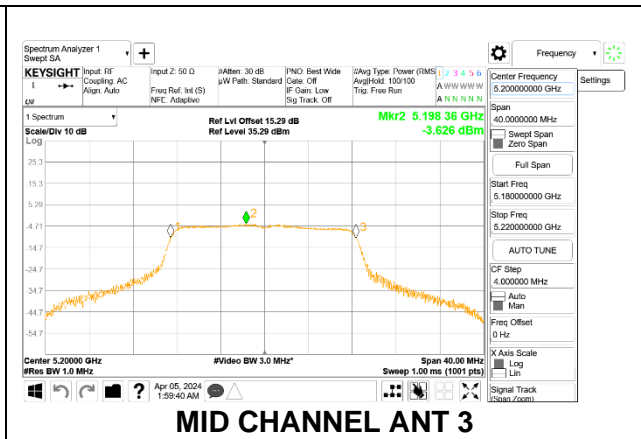
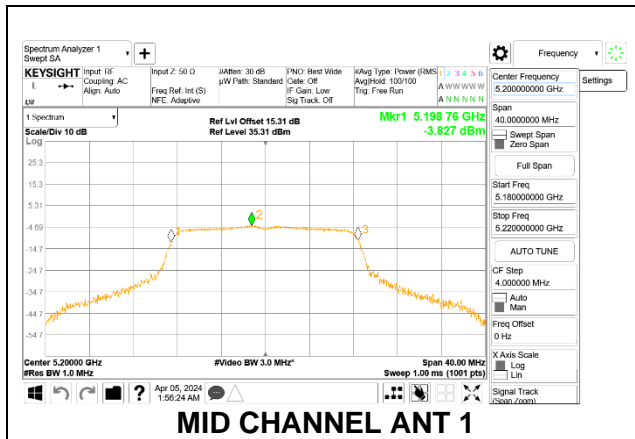


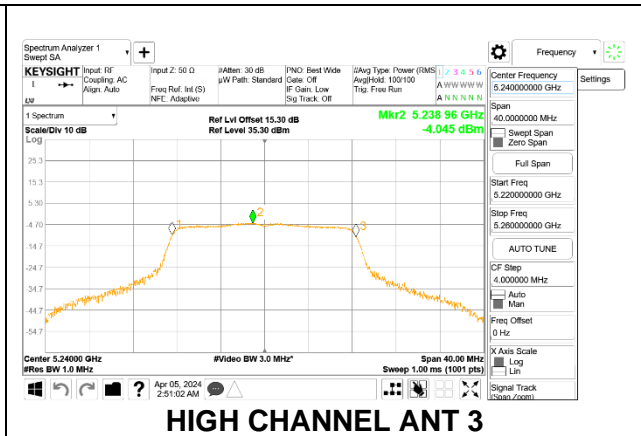
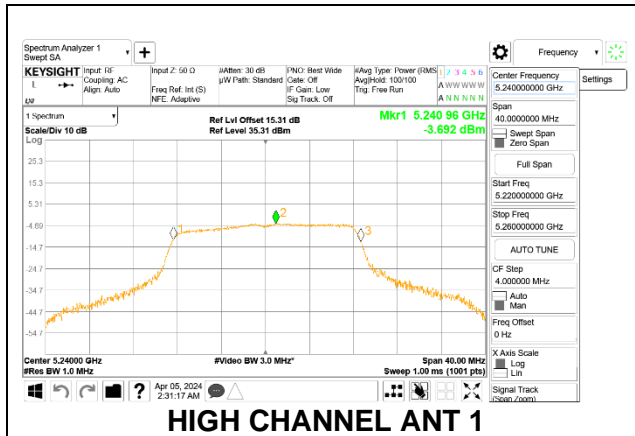
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



9.5.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	17.9230	6.10	9.10
Mid	5200	17.9510	6.10	9.10
High	5240	17.9590	6.10	9.10

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	23.90	22.53	16.43	16.43	7.90	10.00	0.90
Mid	5200	23.90	22.54	16.44	16.44	7.90	10.00	0.90
High	5240	23.90	22.54	16.44	16.44	7.90	10.00	0.90

Duty Cycle CF (dB)	0.60	Included in Calculations of Corr'd PSD
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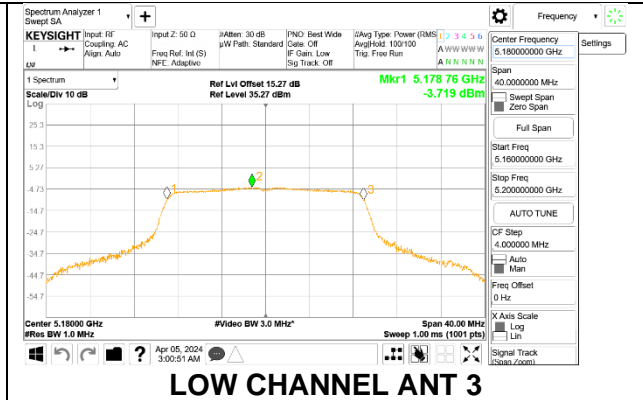
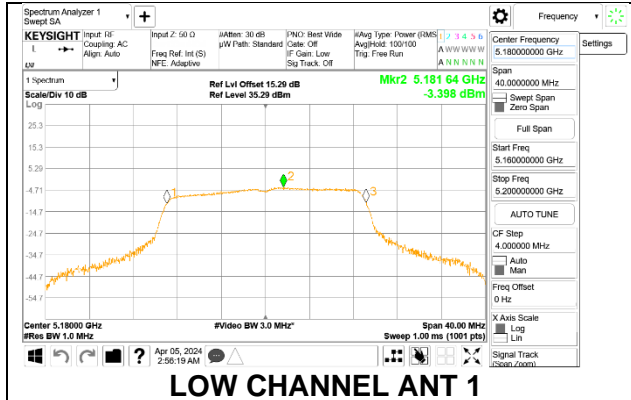
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	7.29	7.46	10.39	16.43	-6.05
Mid	5200	7.48	7.84	10.67	16.44	-5.77
High	5240	8.09	7.97	11.04	16.44	-5.40

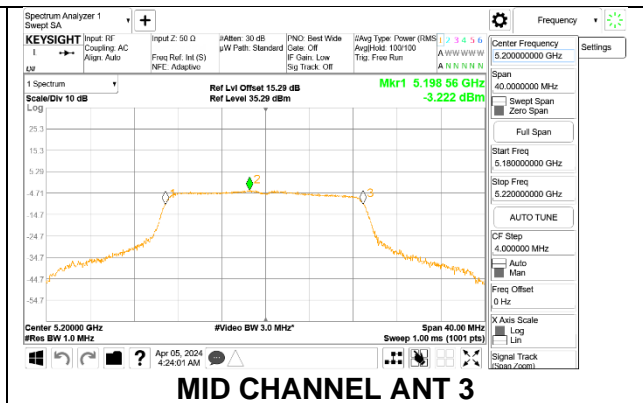
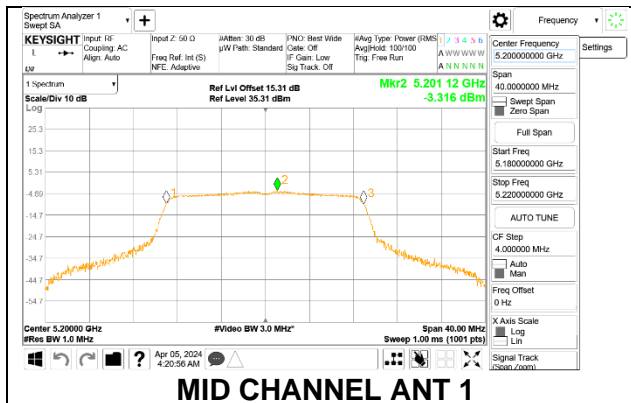
PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	-3.40	-3.72	0.05	0.90	-0.85
Mid	5200	-3.32	-3.22	0.34	0.90	-0.56
High	5240	-3.29	-3.24	0.35	0.90	-0.55

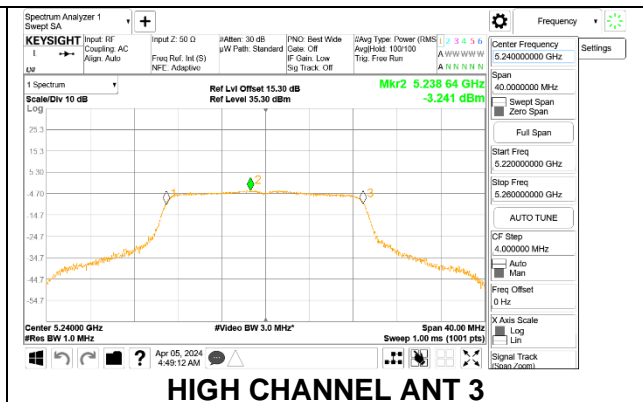
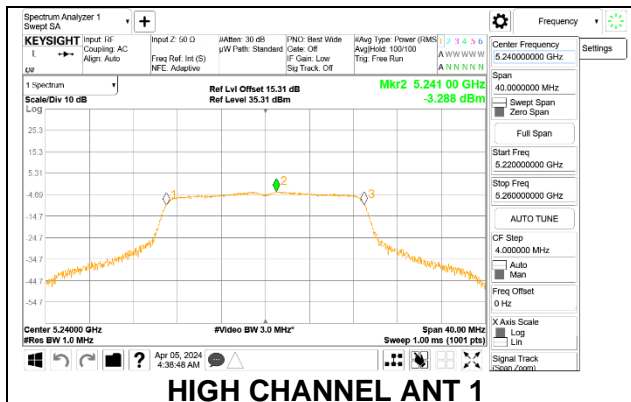
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



9.5.3. 802.11n HT40 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5190	35.3310	6.10	9.10
High	5230	35.7590	6.10	9.10

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	23.90	23.00	16.90	16.90	7.90	10.00	0.90
High	5230	23.90	23.00	16.90	16.90	7.90	10.00	0.90

Duty Cycle CF (dB)	1.14	Included in Calculations of Corr'd Power & PSD
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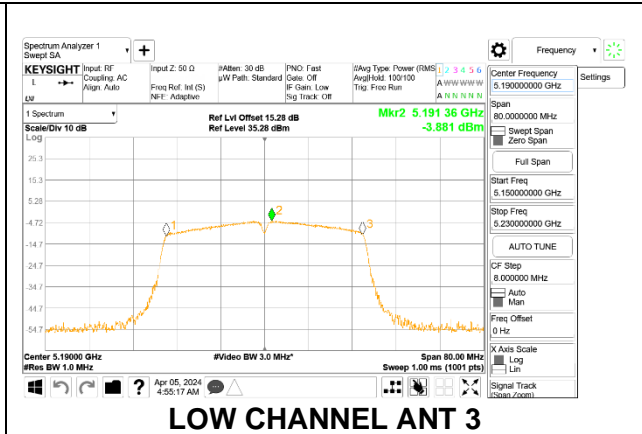
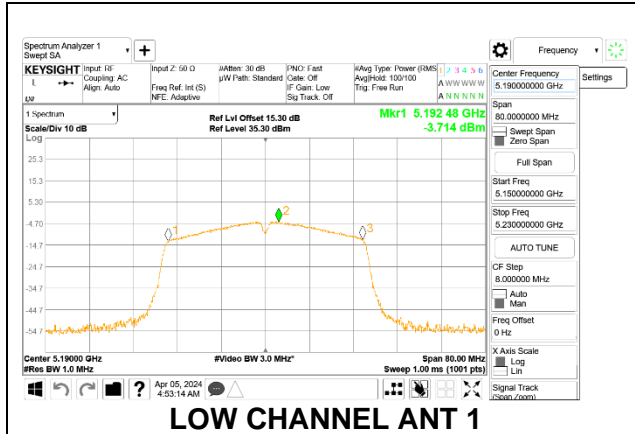
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	9.07	9.74	12.43	16.90	-4.47
High	5230	9.68	10.13	12.92	16.90	-3.98

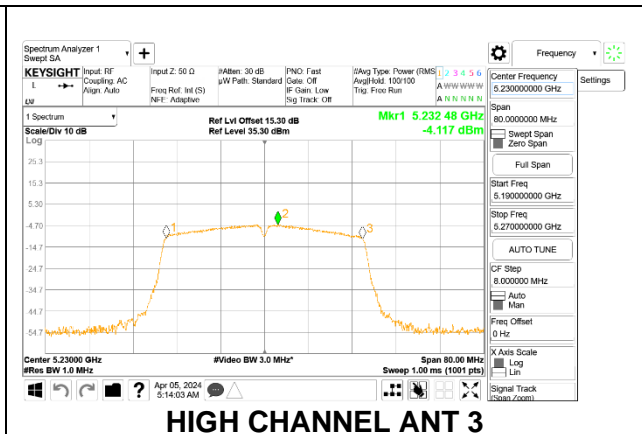
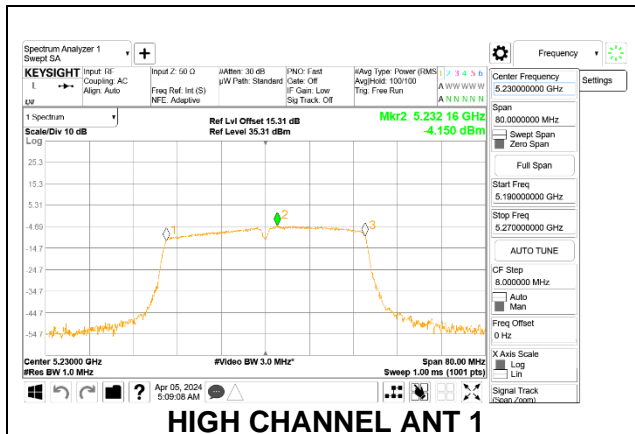
PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	-3.71	-3.88	0.35	0.90	-0.55
High	5230	-4.15	-4.12	0.02	0.90	-0.88

LOW CHANNEL



HIGH CHANNEL



9.5.4. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid	5210	75.1190	6.10	9.10

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5210	23.90	23.00	16.90	16.90	7.90	10.00	0.90

Duty Cycle CF (dB)	2.17	Included in Calculations of Corr'd Power & PSD
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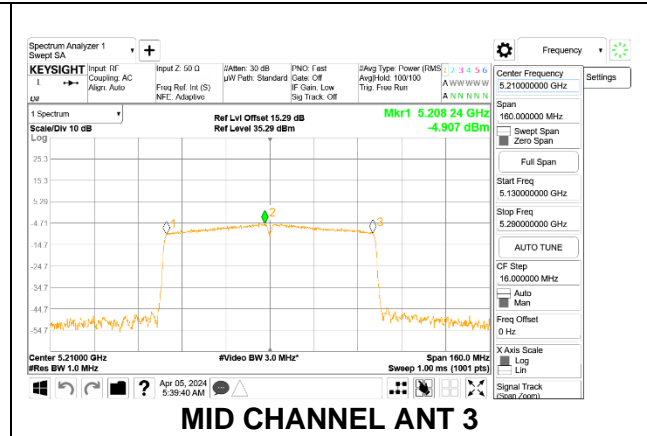
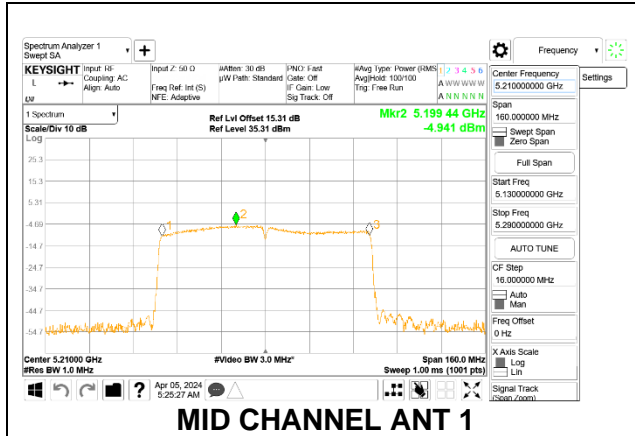
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	12.84	13.66	16.28	16.90	-0.62

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-4.94	-4.91	0.26	0.90	-0.64

MID CHANNEL



9.5.5. 802.11a MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5260	25.72	16.777	6.00	9.00
Mid	5300	25.52	16.765	6.00	9.00
High	5320	25.72	16.774	6.00	9.00

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5260	24.00	23.25	29.25	23.25	8.00	11.00	8.00
Mid	5300	24.00	23.24	29.24	23.24	8.00	11.00	8.00
High	5320	24.00	23.25	29.25	23.25	8.00	11.00	8.00

Duty Cycle CF (dB)	0.94	Included in Calculations of Corr'd PPSD
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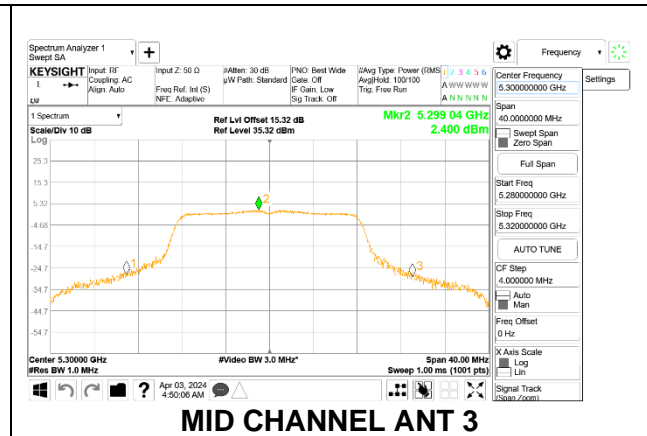
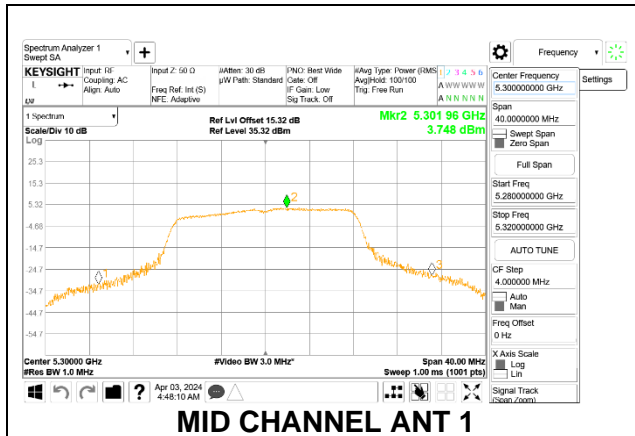
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margi n (dB)
Low	5260	14.47	14.62	17.56	23.25	-5.69
Mid	5300	14.67	14.45	17.57	23.24	-5.67
High	5320	14.85	14.31	17.60	23.25	-5.65

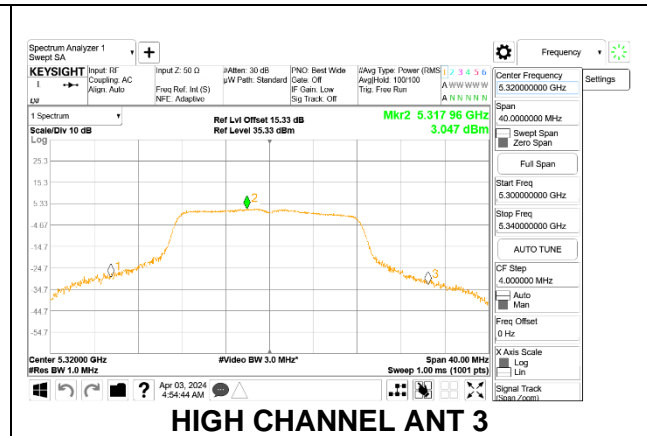
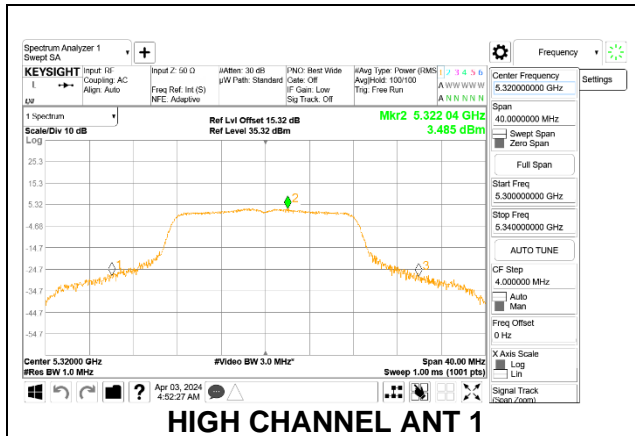
PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 3 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margi n (dB)
Low	5260	3.129	2.957	6.99	8.00	-1.01
Mid	5300	3.748	2.400	7.08	8.00	-0.92
High	5320	3.485	3.047	7.22	8.00	-0.78

MID CHANNEL



HIGH CHANNEL



9.5.6. 802.11n HT20 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5260	24.60	17.821	6.00	9.00
Mid	5300	24.48	17.849	6.00	9.00
High	5320	24.44	17.881	6.00	9.00

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5260	24.00	23.51	29.51	23.51	8.00	11.00	8.00
Mid	5300	24.00	23.52	29.52	23.52	8.00	11.00	8.00
High	5320	24.00	23.52	29.52	23.52	8.00	11.00	8.00

Duty Cycle CF (dB)	0.60	Included in Calculations of Corr'd PPSD
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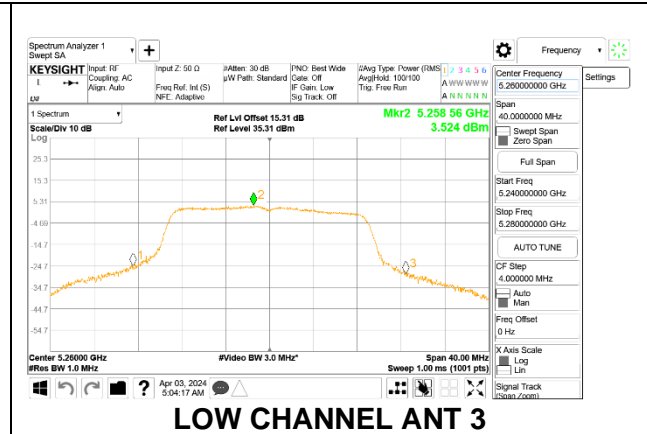
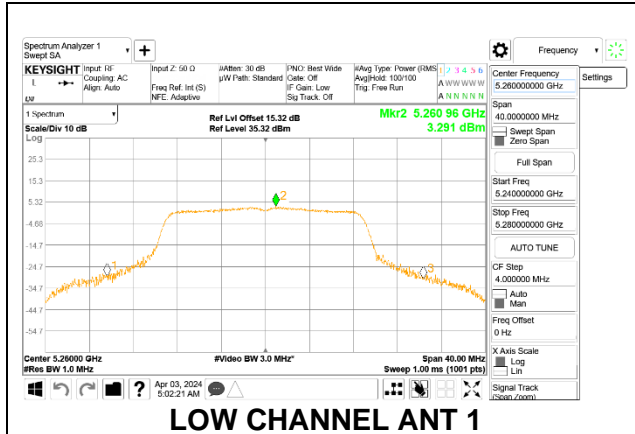
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	14.17	14.37	17.28	23.51	-6.23
Mid	5300	14.68	14.35	17.53	23.52	-5.99
High	5320	14.71	14.29	17.52	23.52	-6.01

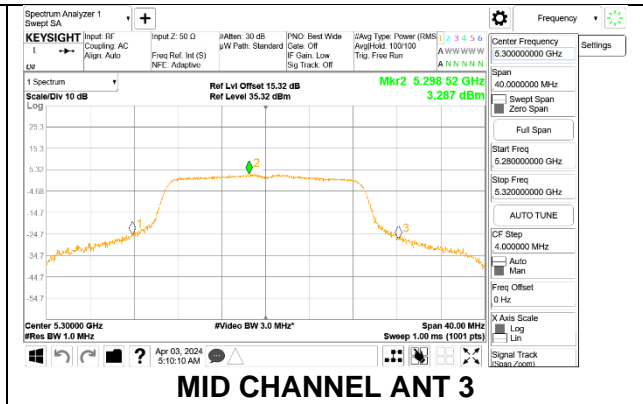
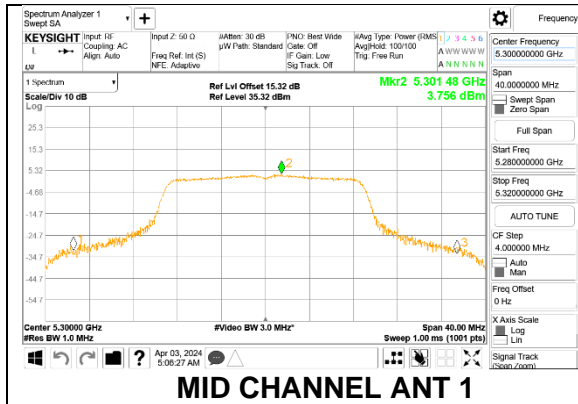
PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 3 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Low	5260	3.291	3.524	7.02	8.00	-0.98
Mid	5300	3.756	3.287	7.14	8.00	-0.86
High	5320	3.760	3.309	7.15	8.00	-0.85

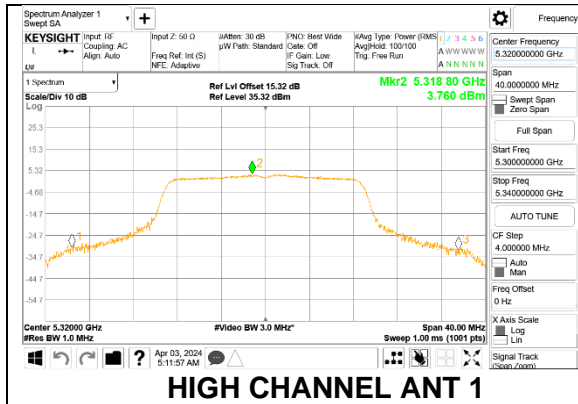
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



HIGH CHANNEL ANT 1



HIGH CHANNEL ANT 3

9.5.7. 802.11n HT40 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5270	40.64	35.857	6.00	9.00
High	5310	40.40	35.403	6.00	9.00

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5270	24.00	24.00	30.00	24.00	8.00	11.00	8.00
High	5310	24.00	24.00	30.00	24.00	8.00	11.00	8.00

Duty Cycle CF (dB)	1.14	Included in Calculations of Corr'd PPSD
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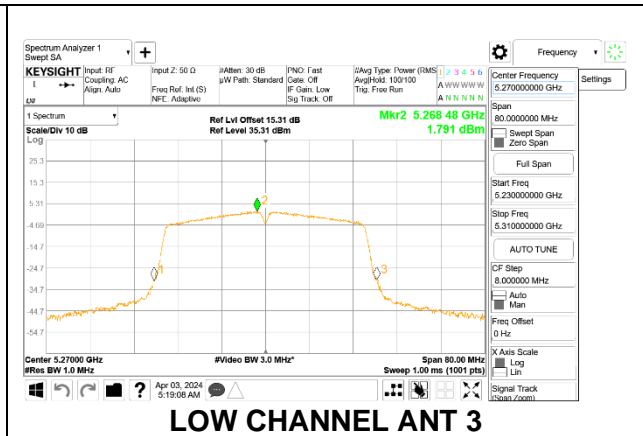
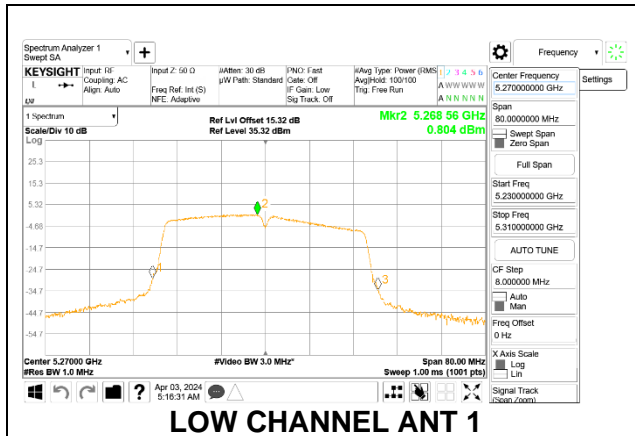
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	14.48	14.76	17.63	24.00	-6.37
High	5310	15.03	14.98	18.02	24.00	-5.98

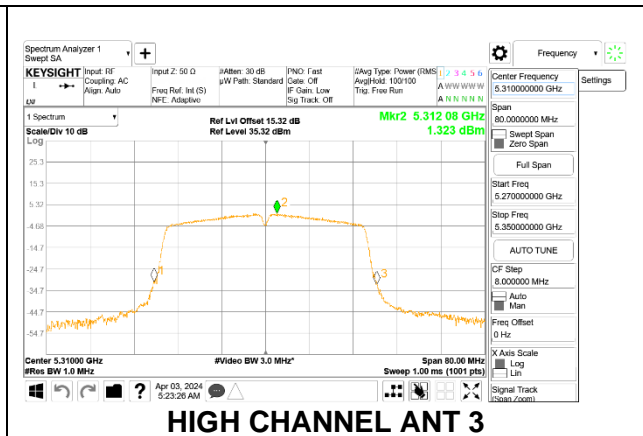
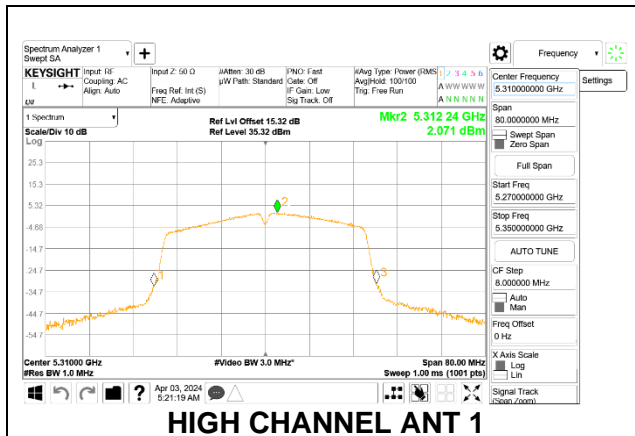
PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 3 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin Margin (dB)
Low	5270	0.804	1.791	5.48	8.00	-2.52
High	5310	2.071	1.323	5.86	8.00	-2.14

LOW CHANNEL



HIGH CHANNEL



9.5.8. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-05 - 2024-04-09

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Mid	5290	81.60	76.858	6.00	9.00

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Mid	5290	24.00	24.00	30.00	24.00	8.00	11.00	8.00

Duty Cycle CF (dB)	2.17	Included in Calculations of Corr'd PPSD
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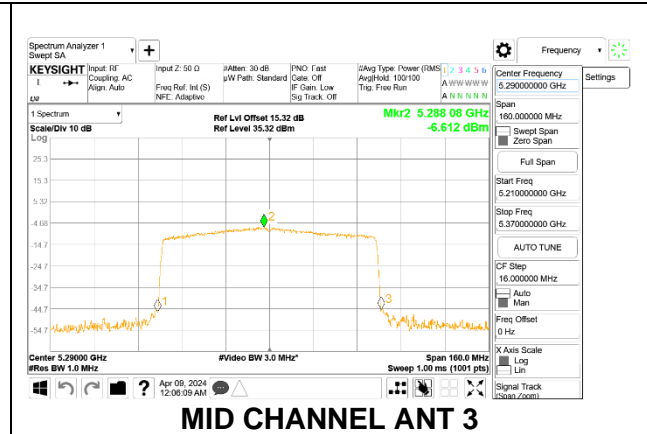
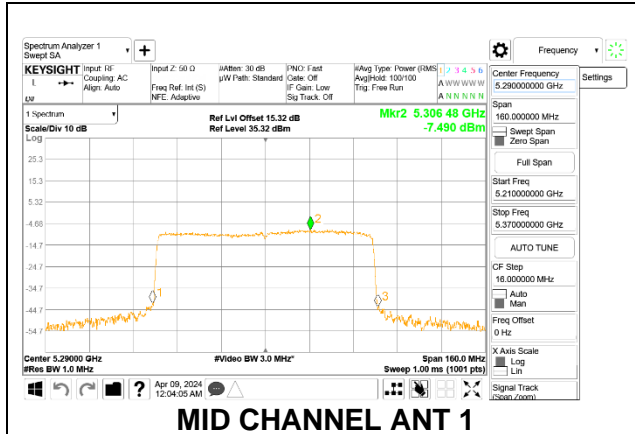
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	11.37	11.34	14.37	24.00	-9.63

PPSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PPSD (dBm/ 1MHz)	Antenna 3 Meas PPSD (dBm/ 1MHz)	Total Corr'd PPSD (dBm/ 1MHz)	PPSD Limit (dBm/ 1MHz)	PPSD Margin (dB)
Mid	5290	-7.490	-6.612	-1.85	8.00	-9.85

MID CHANNEL



9.5.9. 802.11a MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5500	25.44	16.762	6.10	8.70
Mid	5580	24.84	16.727	6.10	8.70
High	5700	25.48	16.824	6.10	8.70

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)
Low	5500	23.90	23.24	29.24	23.14	8.30	11.00
Mid	5580	23.90	23.23	29.23	23.13	8.30	11.00
High	5700	23.90	23.26	29.26	23.16	8.30	11.00

Duty Cycle CF (dB)	0.94	Included in Calculations of Corr'd PSD
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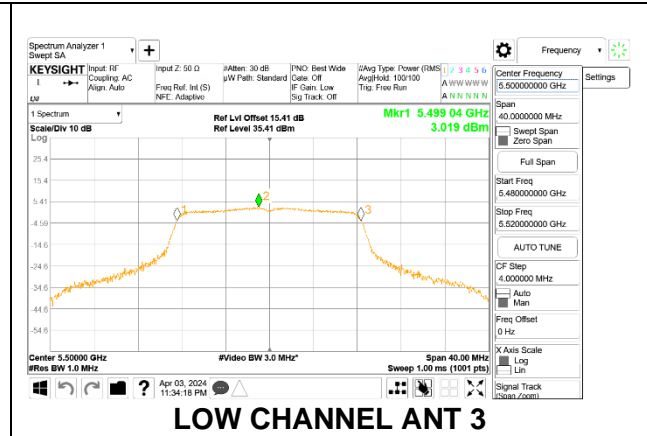
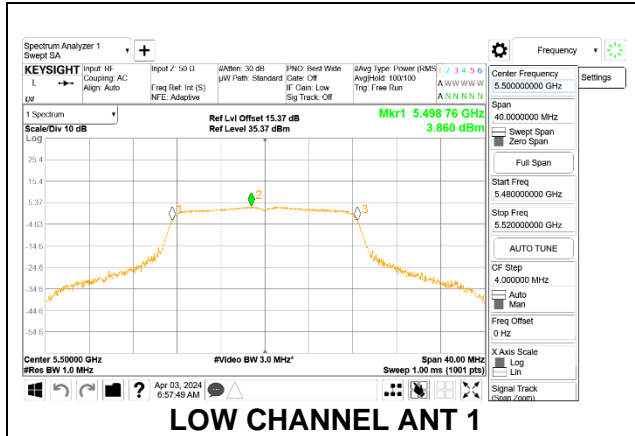
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	14.53	14.11	17.34	23.14	-5.81
Mid	5580	13.85	14.72	17.32	23.13	-5.82
High	5700	14.16	14.22	17.20	23.16	-5.96

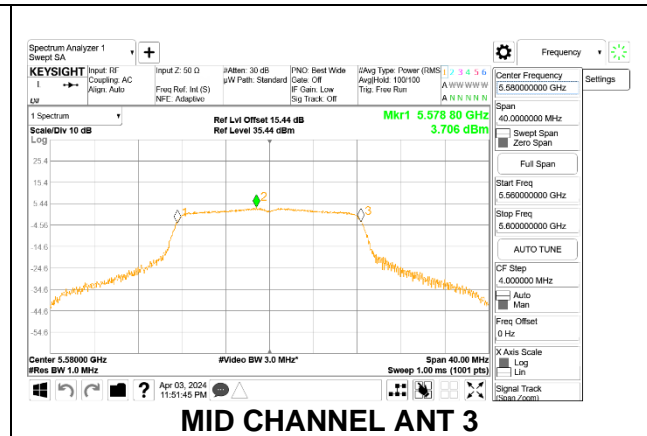
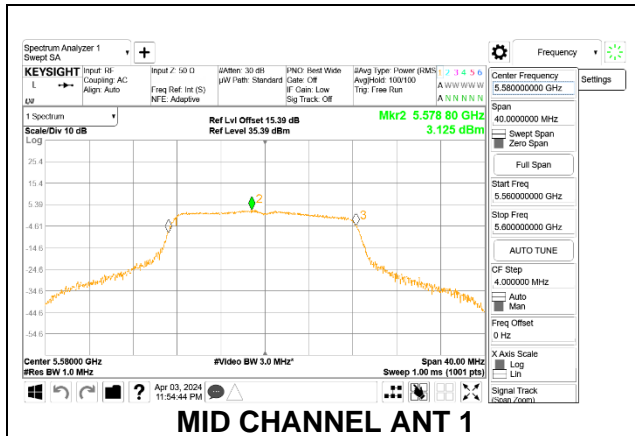
PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	3.860	3.019	7.410	8.30	-0.89
Mid	5580	3.125	3.706	7.376	8.30	-0.92
High	5700	3.169	3.522	7.299	8.30	-1.00

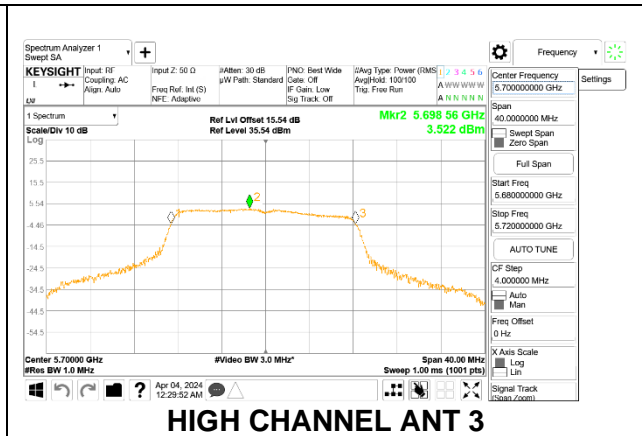
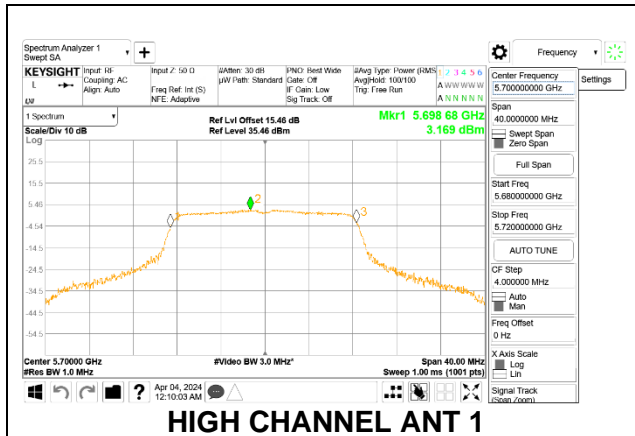
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



9.5.10. 802.11n HT20 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5500	24.72	17.848	6.10	8.70
Mid	5580	24.52	17.948	6.10	8.70
High	5700	25.12	18.869	6.10	8.70

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)
Low	5500	23.90	23.52	29.52	23.42	8.30	11.00
Mid	5580	23.90	23.54	29.54	23.44	8.30	11.00
High	5700	23.90	23.76	29.76	23.66	8.30	11.00

Duty Cycle CF (dB)	0.60	Included in Calculations of Corr'd PSD
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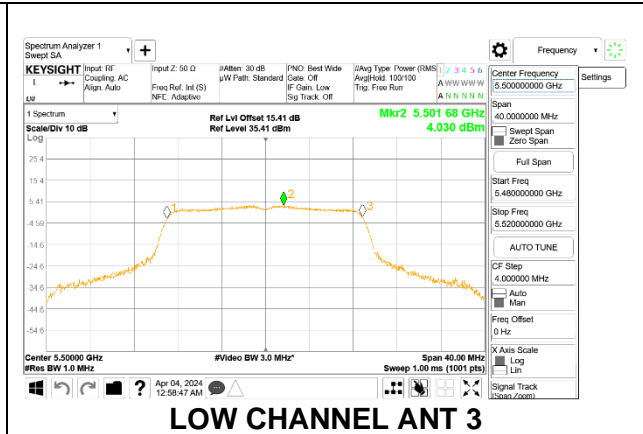
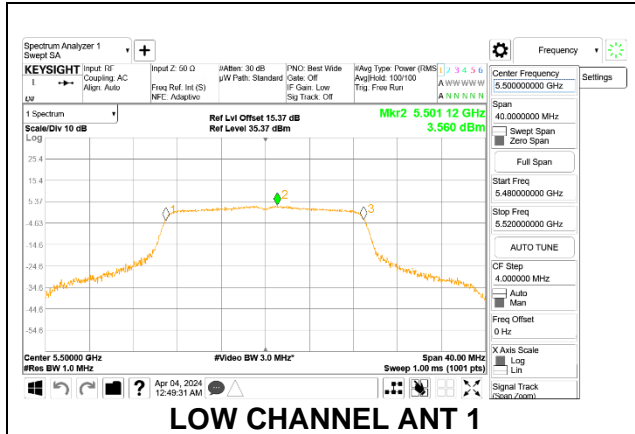
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	14.46	14.05	17.27	23.42	-6.15
Mid	5580	13.58	14.74	17.21	23.44	-6.23
High	5700	14.21	14.05	17.14	23.66	-6.52

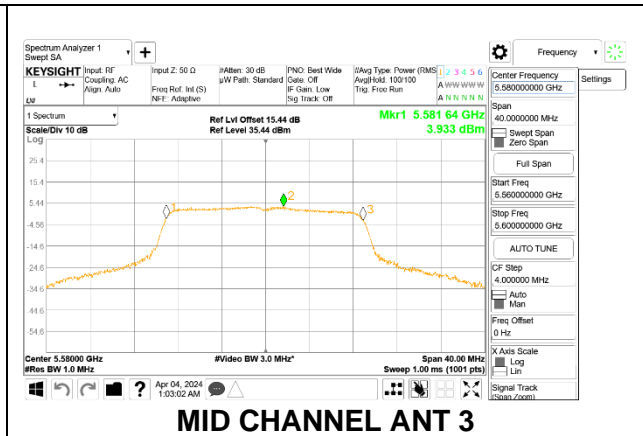
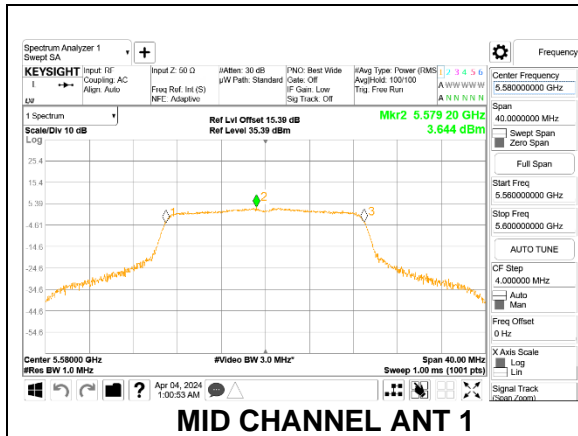
PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Antenna 3 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5500	3.560	4.030	7.412	8.30	-0.89
Mid	5580	3.644	3.933	7.401	8.30	-0.90
High	5700	3.654	3.977	7.429	8.30	-0.87

LOW CHANNEL



MID CHANNEL



9.5.11. 802.11n HT40 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5510	40.48	35.545	6.10	8.70
Mid	5550	39.76	35.293	6.10	8.70
High	5670	40.56	35.678	6.10	8.70

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5510	23.90	24.00	30.00	23.90	8.30	11.00	8.30
Mid	5550	23.90	24.00	30.00	23.90	8.30	11.00	8.30
High	5670	23.90	24.00	30.00	23.90	8.30	11.00	8.30
Duty Cycle CF (dB)		1.14	Included in Calculations of Corr'd PSD					

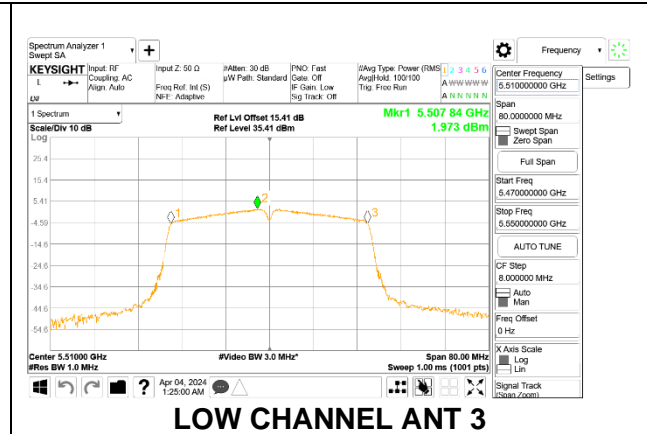
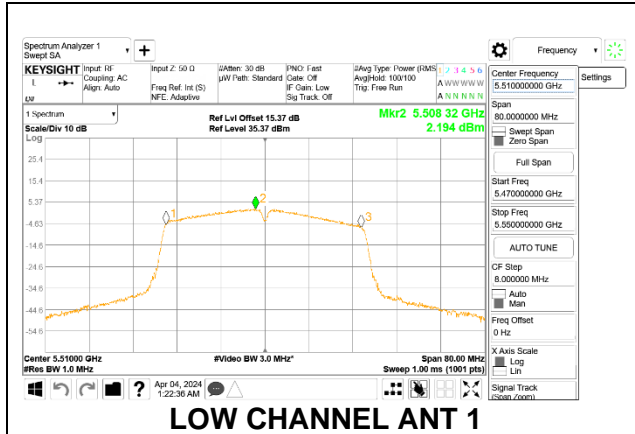
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	15.17	15.35	18.27	23.90	-5.63
Mid	5550	15.01	14.96	18.00	23.90	-5.90
High	5670	15.76	15.62	18.70	23.90	-5.20

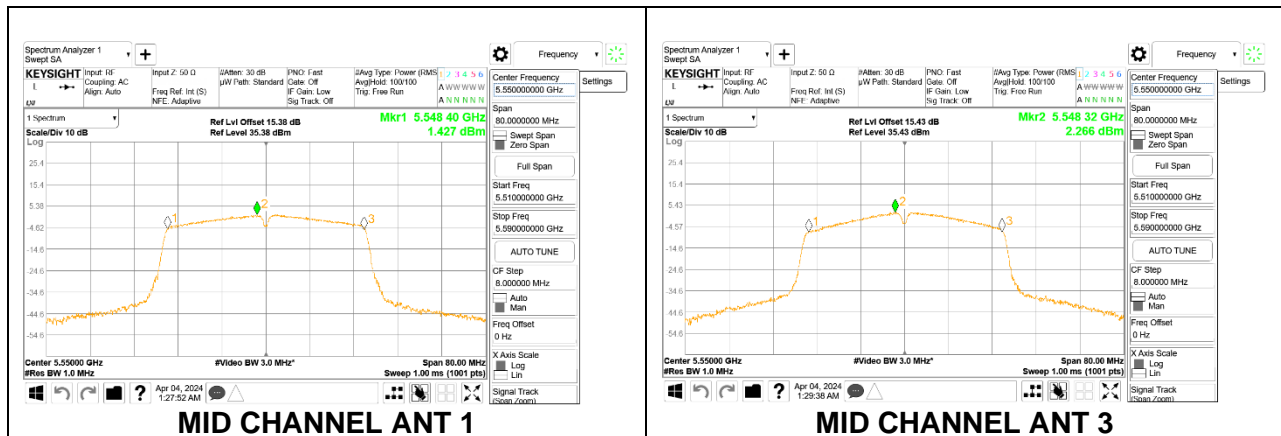
PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	2.194	1.973	6.24	8.30	-2.06
Mid	5550	1.427	2.226	6.00	8.30	-2.30
High	5670	2.226	2.583	6.56	8.30	-1.74

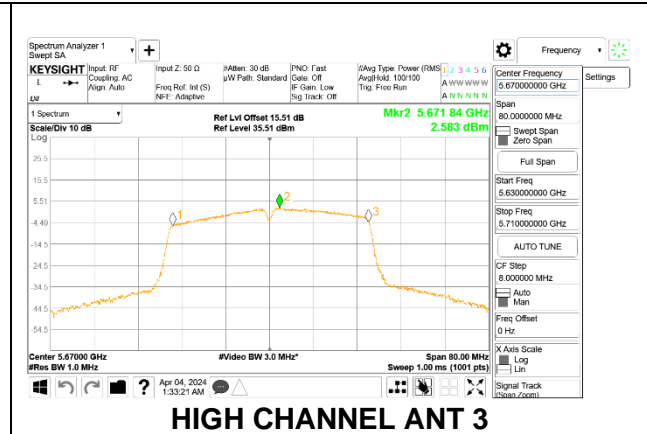
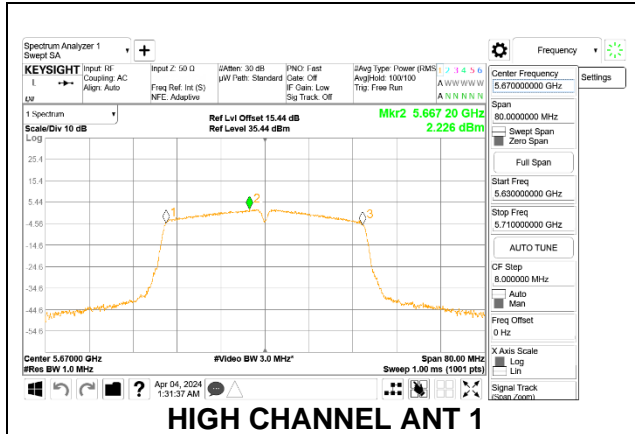
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



9.5.12. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5530	80.48	75.185	6.10	8.70
High	5610	80.00	74.561	6.10	8.70

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5530	23.90	24.00	30.00	23.90	8.30	11.00	8.30
High	5610	23.90	24.00	30.00	23.90	8.30	11.00	8.30
Duty Cycle CF (dB)		2.17	Included in Calculations of Corr'd PSD					

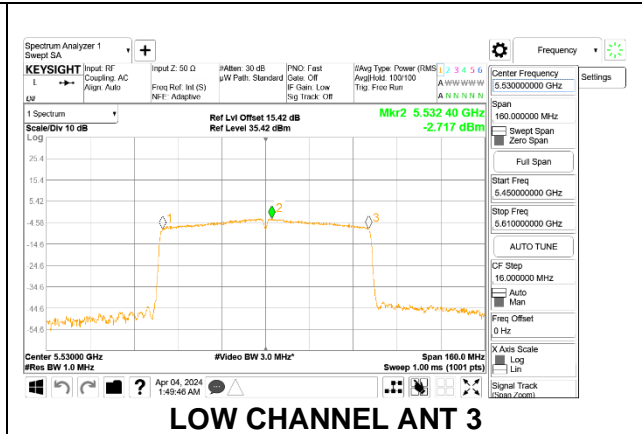
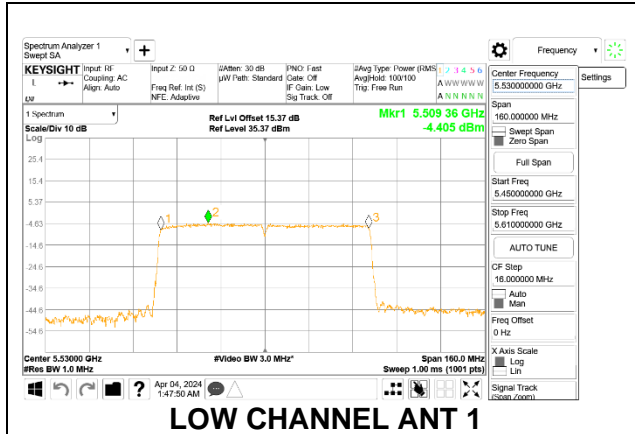
Output Power Results

Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	14.89	15.05	17.98	23.90	-5.92
High	5610	16.48	17.61	20.09	23.90	-3.81

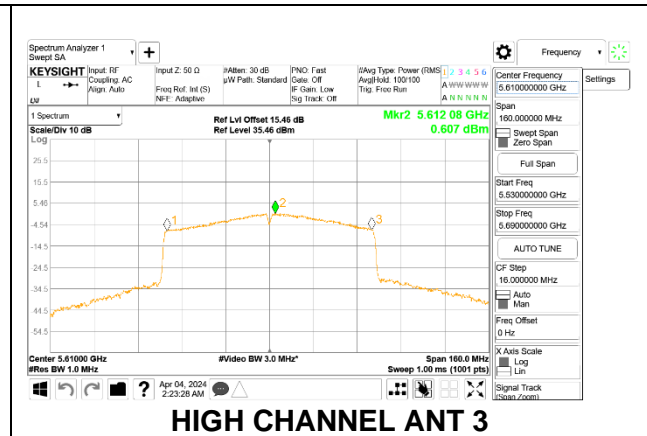
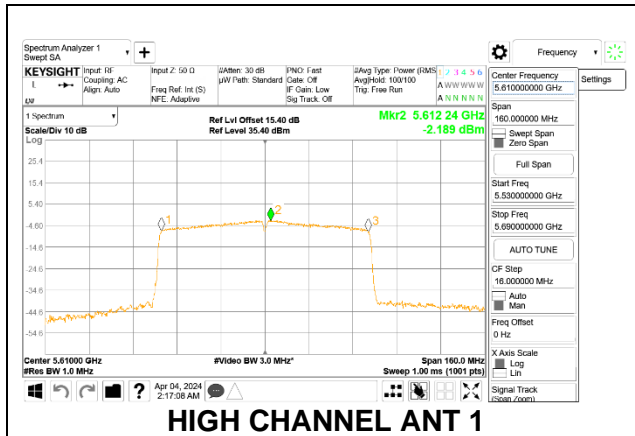
PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 3 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	-4.405	-2.717	1.701	8.30	-6.60
High	5610	-2.189	0.607	4.611	8.30	-3.69

LOW CHANNEL



HIGH CHANNEL



9.5.13. 802.11a MODE IN THE 5.8 GHz BAND

2TX Antenna 2 + Antenna 4 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Low	5745	5.80	8.00	30.00	28.00
Mid	5785	5.80	8.00	30.00	28.00
High	5825	5.80	8.00	30.00	28.00

Duty Cycle CF (dB)	0.94	Included in Calculations of Corr'd PSD
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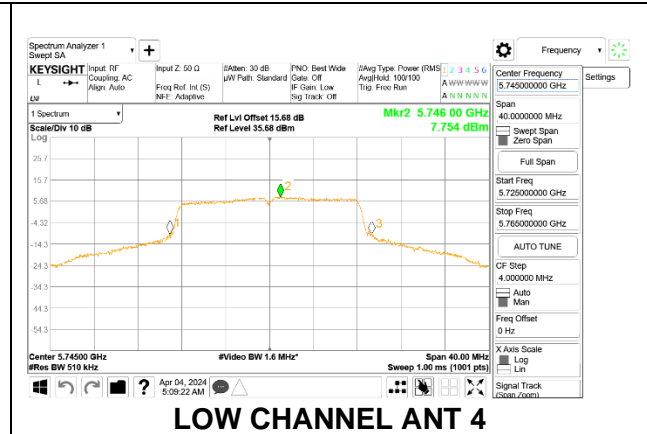
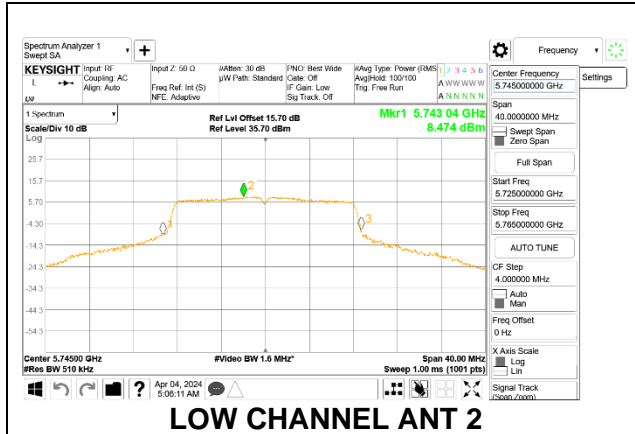
Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	22.73	21.67	25.24	30.00	-4.76
Mid	5785	22.59	21.76	25.21	30.00	-4.79
High	5825	22.50	21.83	25.19	30.00	-4.81

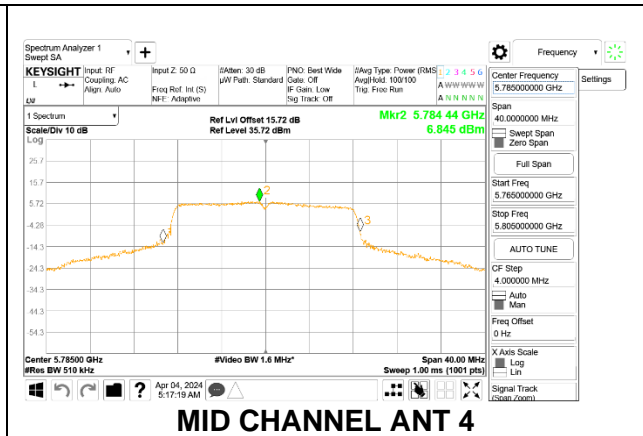
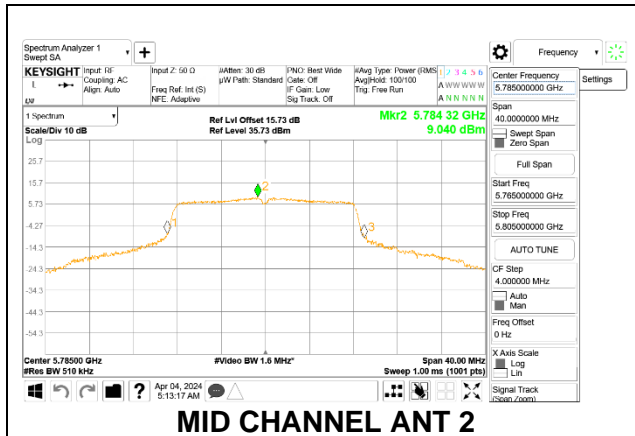
PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	8.474	7.754	12.079	28.00	-15.92
Mid	5785	9.040	6.845	12.030	28.00	-15.97
High	5825	7.848	7.722	11.736	28.00	-16.26

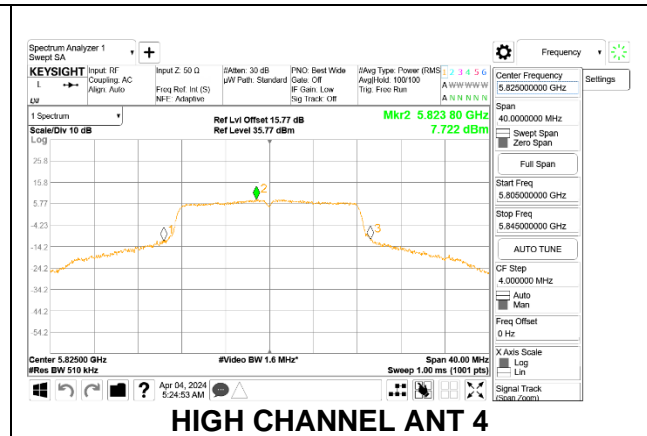
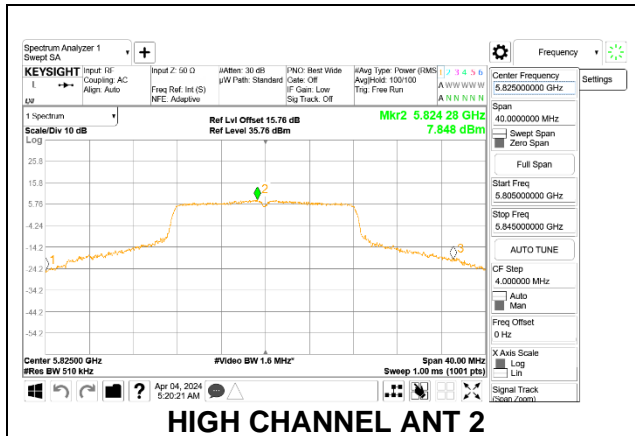
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



9.5.14. 802.11n HT20 MODE IN THE 5.8 GHz BAND

2TX Antenna 2 + Antenna 4 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Low	5745	5.80	8.00	30.00	28.00
Mid	5785	5.80	8.00	30.00	28.00
High	5825	5.80	8.00	30.00	28.00

Duty Cycle CF (dB)	0.60	Included in Calculations of Corr'd PSD
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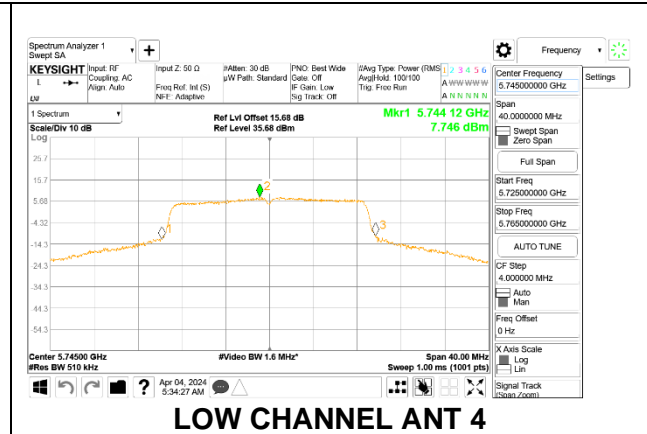
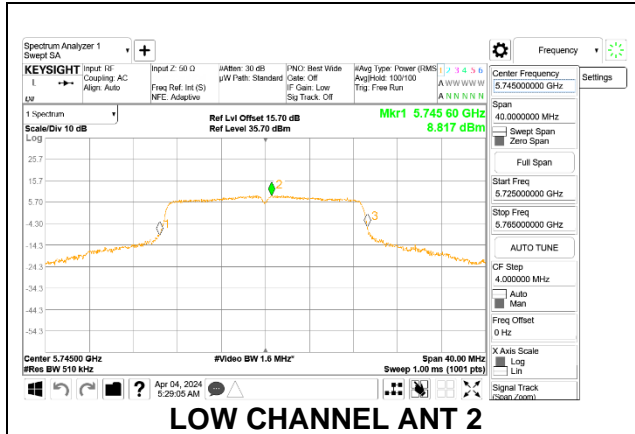
Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	22.20	21.83	25.03	30.00	-4.97
Mid	5785	22.55	21.38	25.01	30.00	-4.99
High	5825	22.51	21.78	25.17	30.00	-4.83

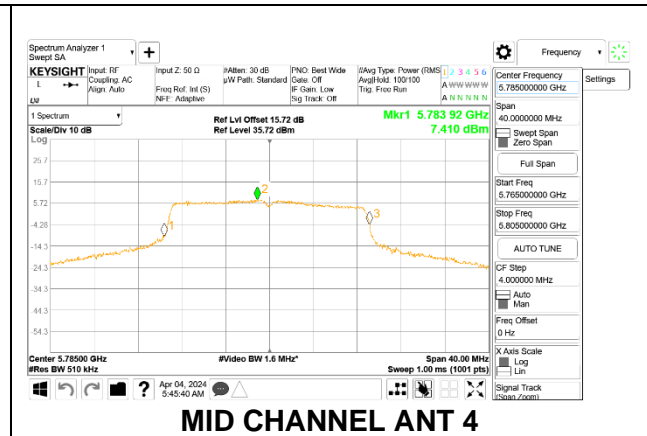
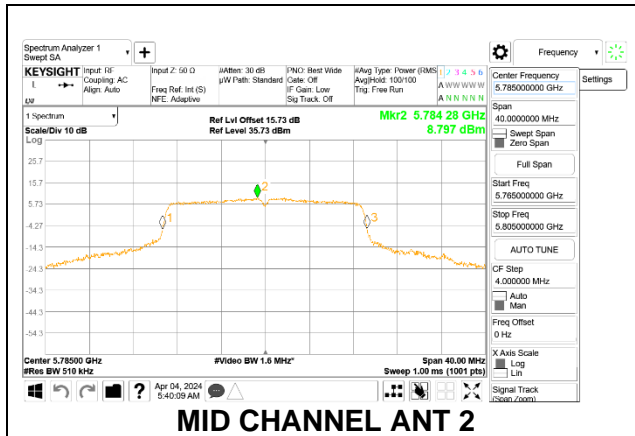
PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5745	8.817	7.746	11.925	28.00	-16.08
Mid	5785	8.797	7.410	11.769	28.00	-16.23
High	5825	8.845	7.952	12.032	28.00	-15.97

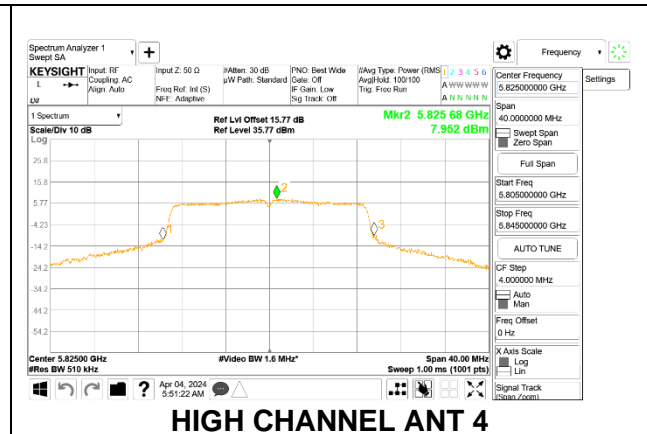
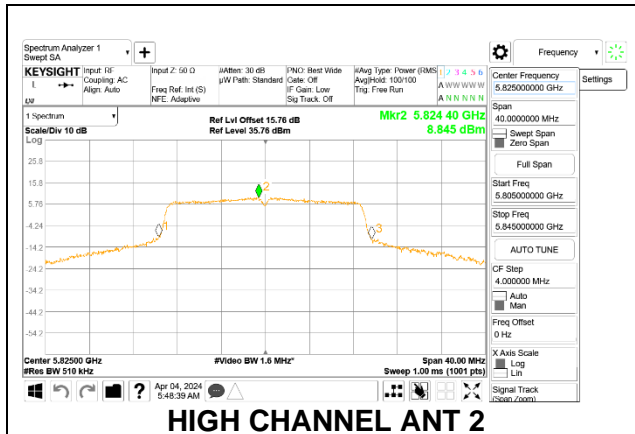
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



9.5.15. 802.11n HT40 MODE IN THE 5.8 GHz BAND

2TX Antenna 2 + Antenna 4 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/500KHz)
Low	5755	5.80	8.00	30.00	28.00
High	5795	5.80	8.00	30.00	28.00

Duty Cycle CF (dB)	1.14	Included in Calculations of Corr'd PSD
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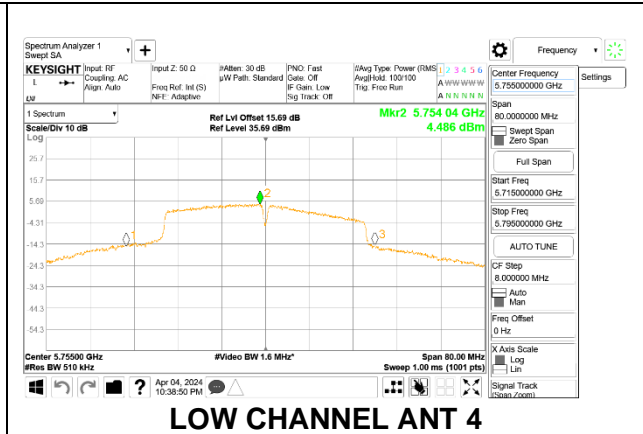
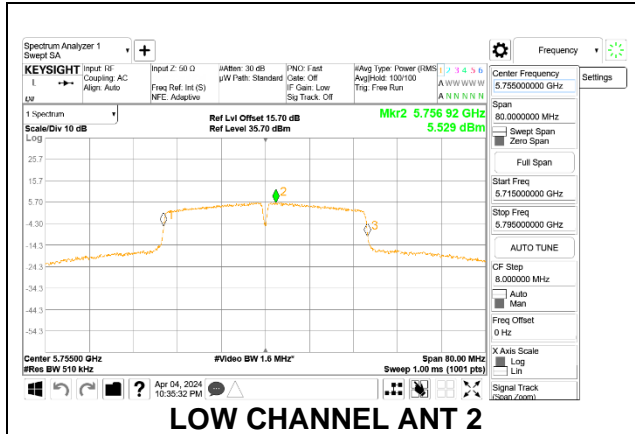
Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	22.13	21.27	24.73	30.00	-5.27
High	5795	22.17	20.61	24.47	30.00	-5.53

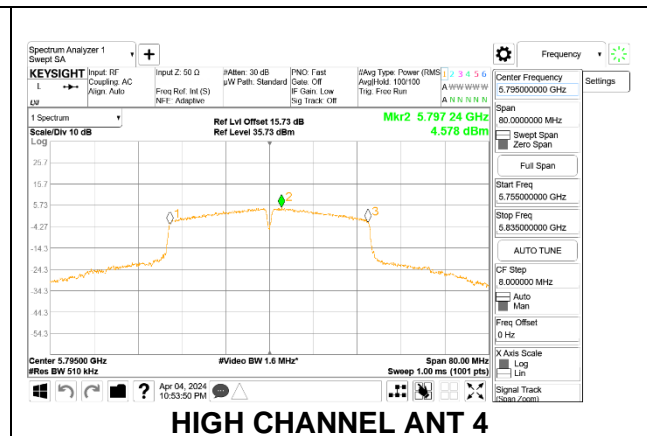
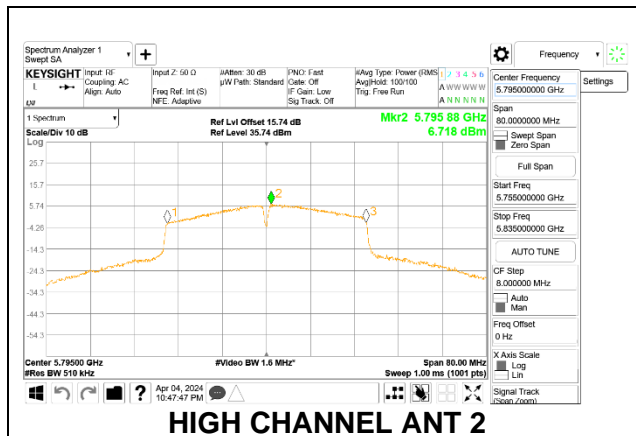
PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/500KHz)	Antenna 4 Meas PSD (dBm/500KHz)	Total Corr'd PSD (dBm/500KHz)	PSD Limit (dBm/500KHz)	PSD Margin (dB)
Low	5755	5.529	4.486	9.189	28.00	-18.81
High	5795	6.718	4.578	9.929	28.00	-18.07

LOW CHANNEL



HIGH CHANNEL



9.5.16. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

2TX Antenna 2 + Antenna 4 CDD MODE (FCC+IC)

Test Engineer:	ZS 16080
Test Date:	2024-04-03 - 2024-04-05

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Mid	5775	5.80	8.00	30.00	28.00

Duty Cycle CF (dB)	2.17	Included in Calculations of Corr'd PSD
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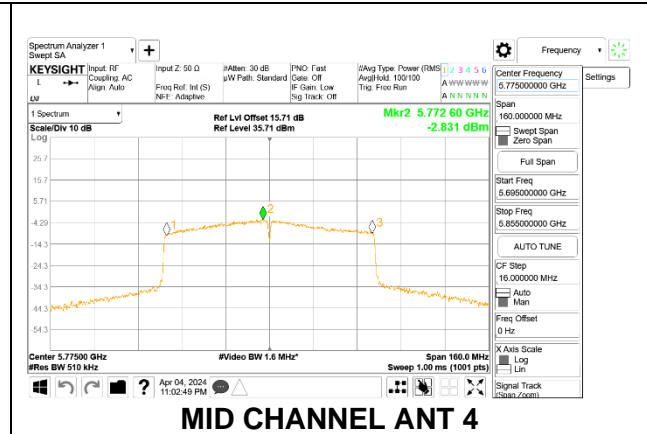
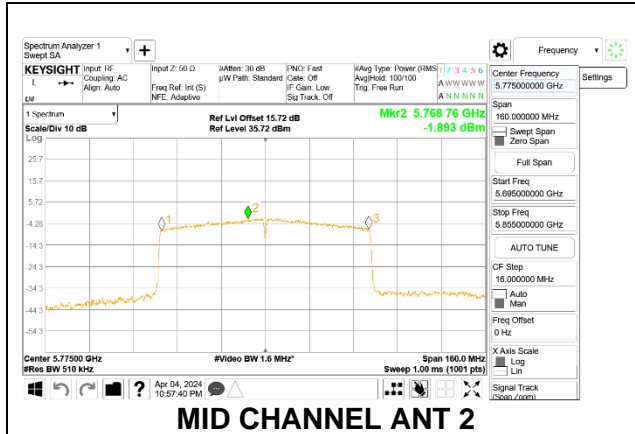
Output Power Results

Channel	Frequency (MHz)	Antenna 2 Meas Power (dBm)	Antenna 4 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	18.62	17.41	21.07	30.00	-8.93

PSD Results

Channel	Frequency (MHz)	Antenna 2 Meas PSD (dBm/ 500KHz)	Antenna 4 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-1.893	-2.831	2.844	28.00	-25.16

MID CHANNEL



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

FCC §15.407(b)(1-3) -Un-Restricted bands

After January 01, 2019 for Outside of the Restricted Bands Emissions

RSS 247 Issue 3 Sections

6.2.1.2 (for 5150-5250 MHz band)

6.2.2.2 (for 5250-5350 MHz band)

6.2.3.2 (for 5470-5600 MHz and 5650-5725 MHz bands)

6.2.4.2 (for 5725-5850 MHz band)

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 5 GHz bands.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned

from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

2D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only. Blue color trace on plots: Parallel orientation. Green color trace on plots: Perpendicular orientation.

NOTE: The limits in FCC 47 CFR, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table), using the free space impedance of 377 Ohms. For example, the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y - 51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

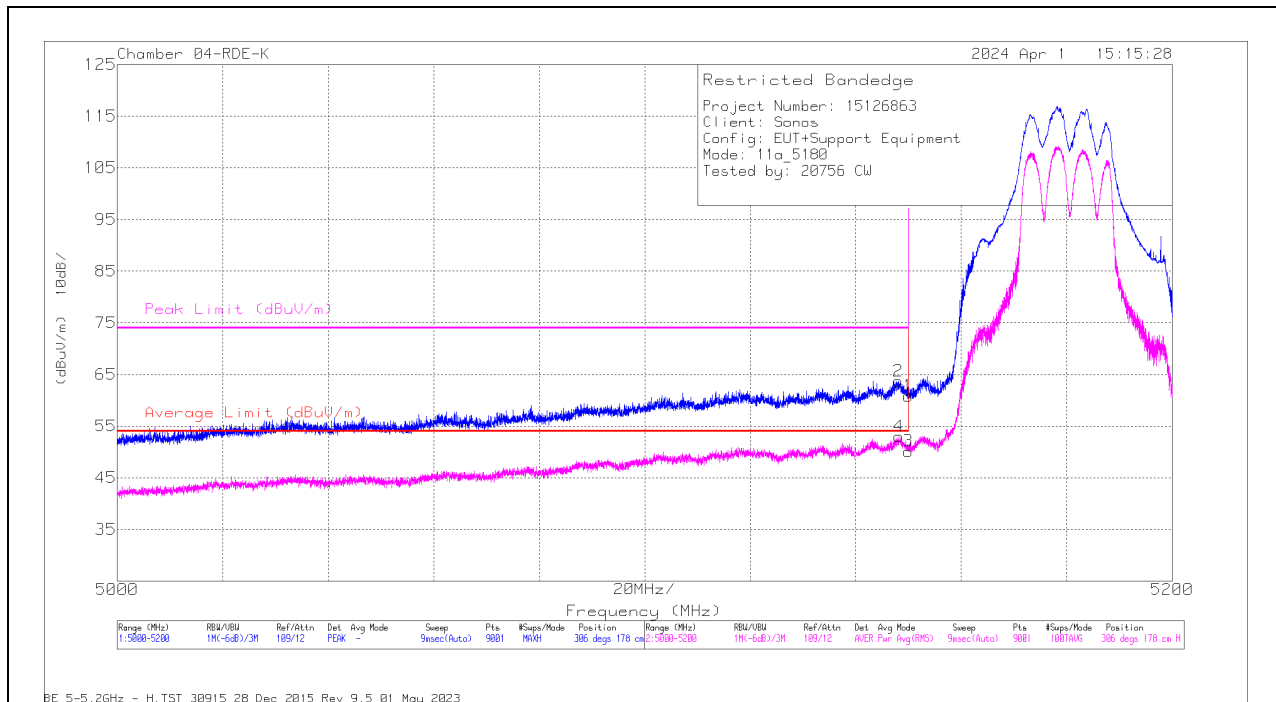
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

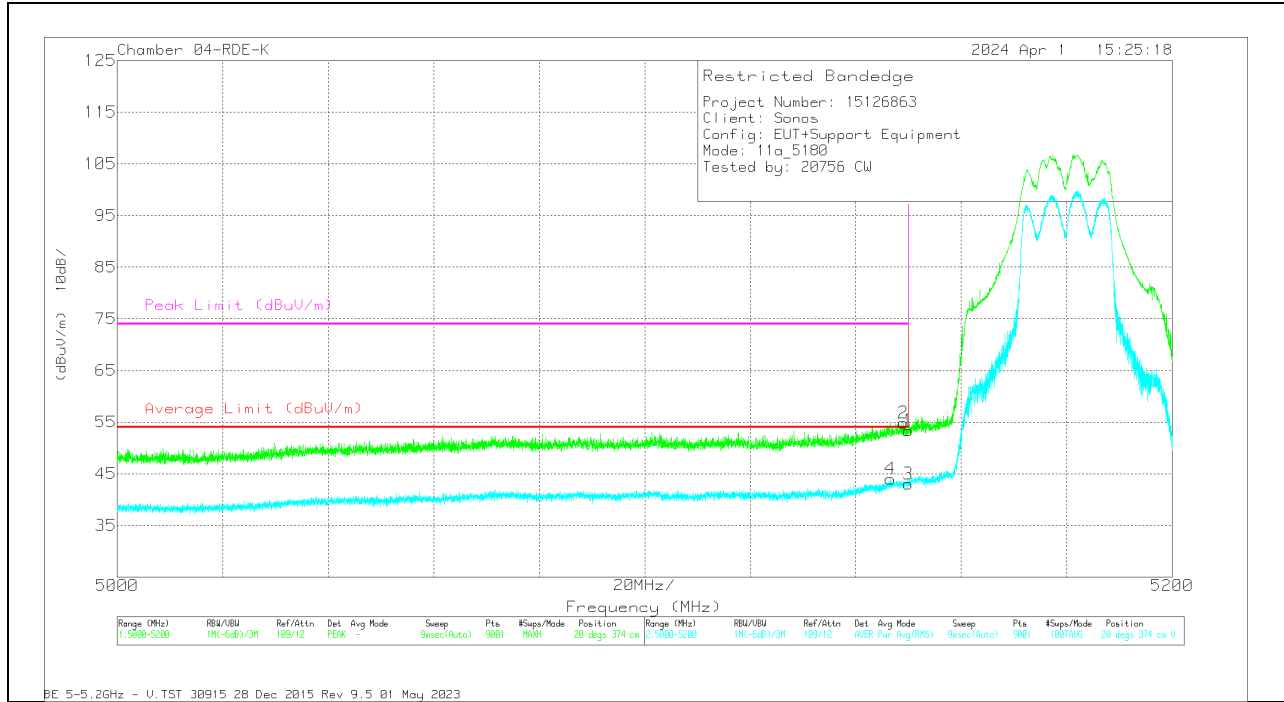


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5148.087	47.48	Pk	34.5	-18.3	0	63.68	-	-	74	-10.32	306	178	H
4	5148.154	35.86	RMS	34.5	-18.3	.94	53	54	-1	-	-	306	178	H
1	5150	44.77	Pk	34.4	-18.3	0	60.87	-	-	74	-13.13	306	178	H
3	5150	33.09	RMS	34.4	-18.3	.94	50.13	54	-3.87	-	-	306	178	H

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



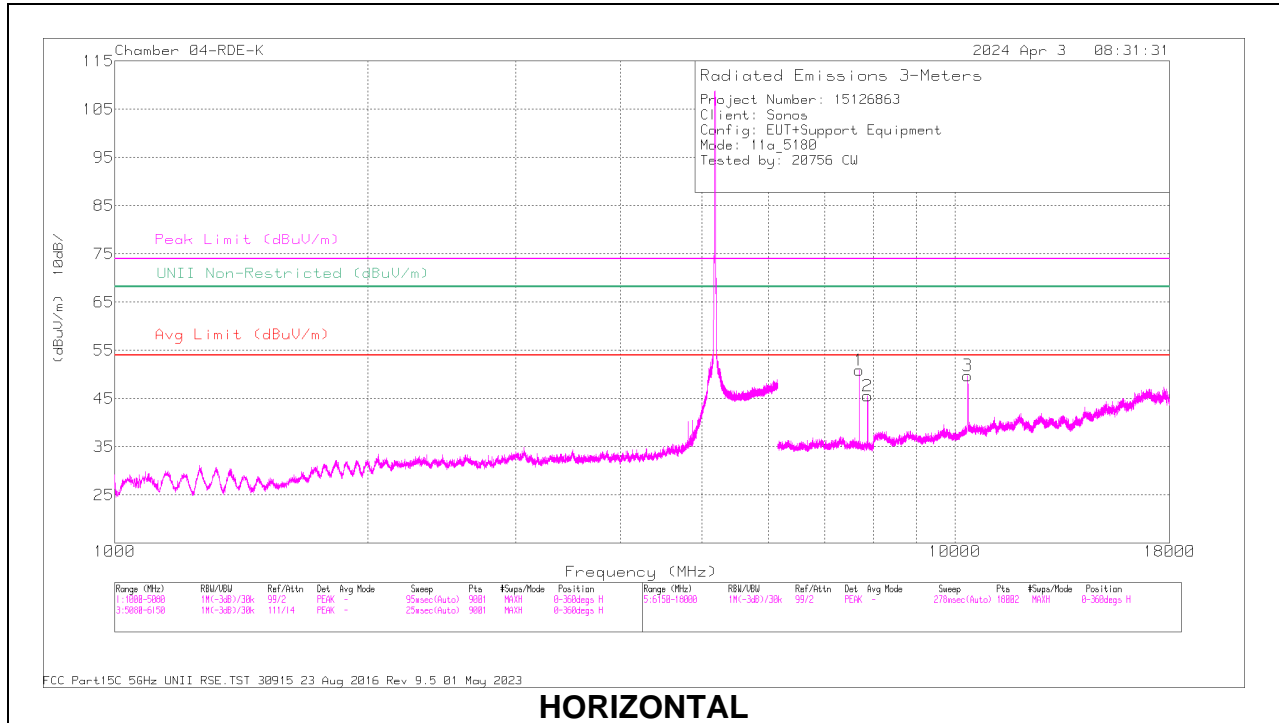
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5146.576	26.98	RMS	34.4	-18.3	.94	44.02	54	-9.98	-	-	20	374	V
2	5149.043	38.63	Pk	34.5	-18.3	0	54.83	-	-	74	-19.17	20	374	V
1	5150	37.3	Pk	34.4	-18.3	0	53.4	-	-	74	-20.6	20	374	V
3	5150	25.99	RMS	34.4	-18.3	.94	43.03	54	-10.97	-	-	20	374	V

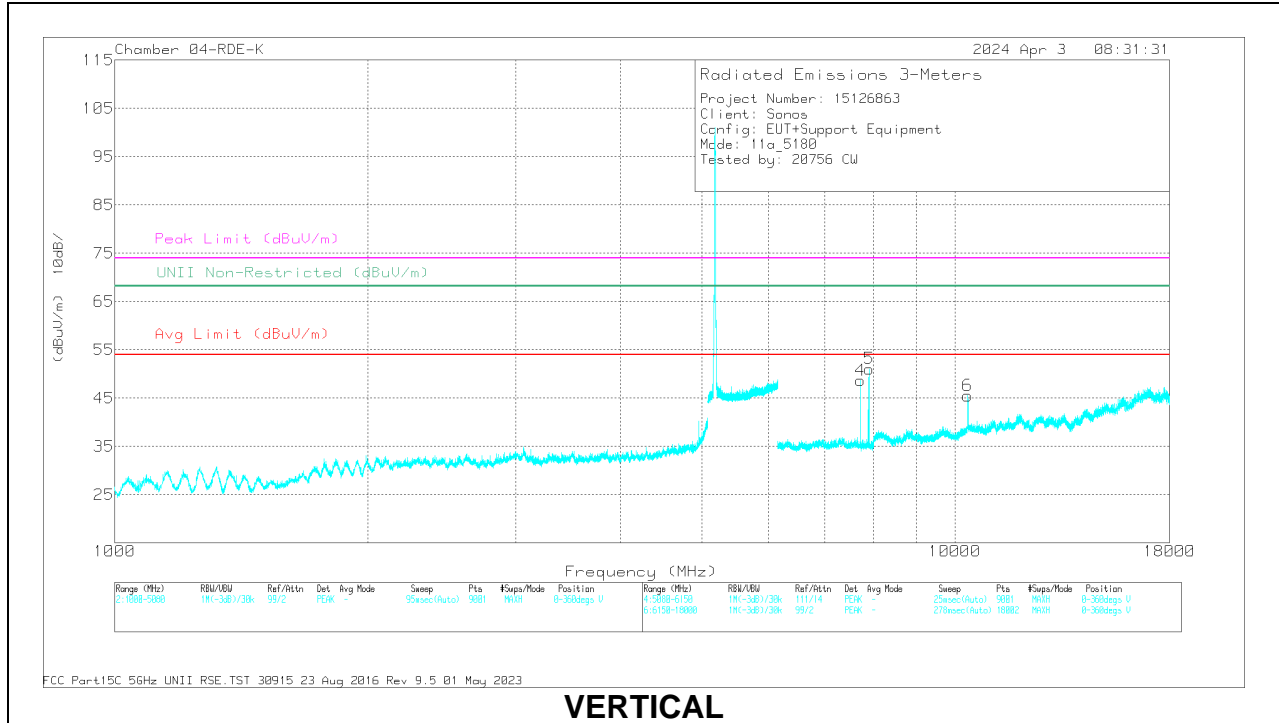
Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



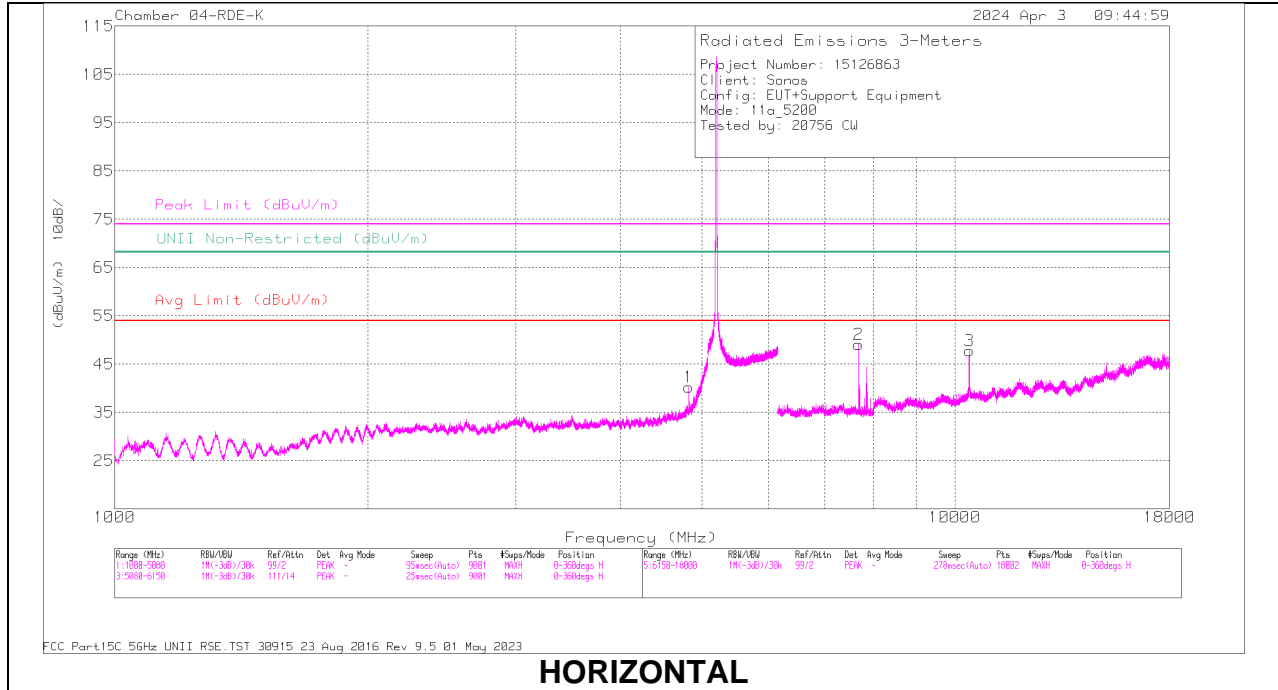
VERTICAL

RADIATED EMISSIONS

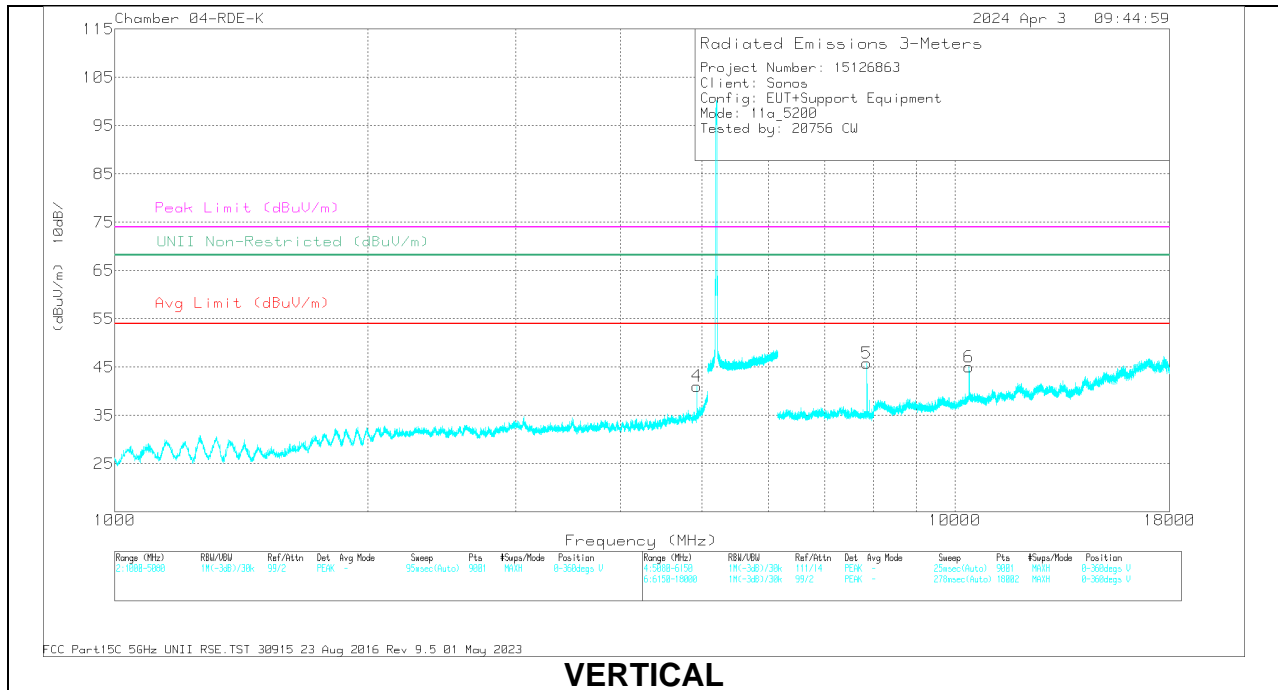
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 7696.393	54.64	PK-U	35.9	-38.6	0	51.94	-	-	74	-22.06	-	-	208	296	H
	* 7695.623	38.87	ADR	35.9	-38.6	.94	35.11	54	-18.89	-	-	-	-	208	296	H
4	* 7715.39	54.64	PK-U	35.9	-38.5	0	52.04	-	-	74	-21.96	-	-	341	105	V
	* 7717.548	36.45	ADR	35.9	-38.5	.94	34.79	54	-19.21	-	-	-	-	341	105	V
2	7872.29	48.79	PK-U	36	-38	0	46.79	-	-	-	-	68.2	-21.41	296	391	H
5	7903.953	51.6	PK-U	36	-38.2	0	49.4	-	-	-	-	68.2	-18.8	286	107	V
6	10358.829	54.49	PK-U	37.7	-37.6	0	54.59	-	-	-	-	68.2	-13.61	36	115	V
3	10360.582	60.54	PK-U	37.5	-37.6	0	60.44	-	-	-	-	68.2	-7.76	43	105	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

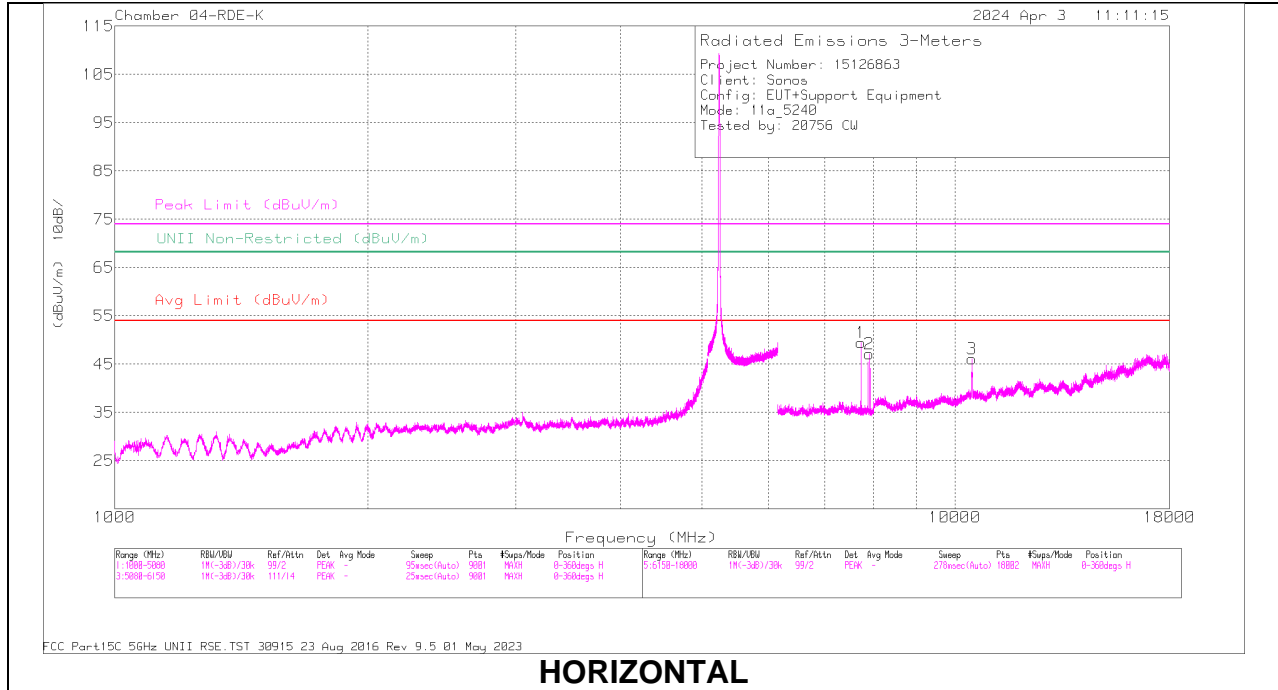
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cb/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4815.211	51.19	PK-U	34.9	-40.8	0	45.29	-	-	74	-28.71	-	-	99	140	H
	* 4814.972	39.42	ADR	34.9	-40.8	.94	34.46	54	-19.54	-	-	-	-	99	140	H
4	* 4929.976	51.33	PK-U	34.3	-40	0	45.63	-	-	74	-28.37	-	-	358	273	V
	* 4930.474	39.26	ADR	34.3	-40	.94	34.5	54	-19.5	-	-	-	-	358	273	V
2	* 7683.481	52.43	PK-U	35.9	-38.6	0	49.73	-	-	74	-24.27	-	-	329	286	H
	* 7683.875	36.84	ADR	35.9	-38.6	.94	35.08	54	-18.92	-	-	-	-	329	286	H
5	7853.042	50.58	PK-U	36	-38.1	0	48.48	-	-	-	-	68.2	-19.72	331	360	V
6	10393.391	54.7	PK-U	37.7	-37.4	0	55	-	-	-	-	68.2	-13.2	35	106	V
3	10401.775	54.5	PK-U	37.7	-37.5	0	54.7	-	-	-	-	68.2	-13.5	349	275	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

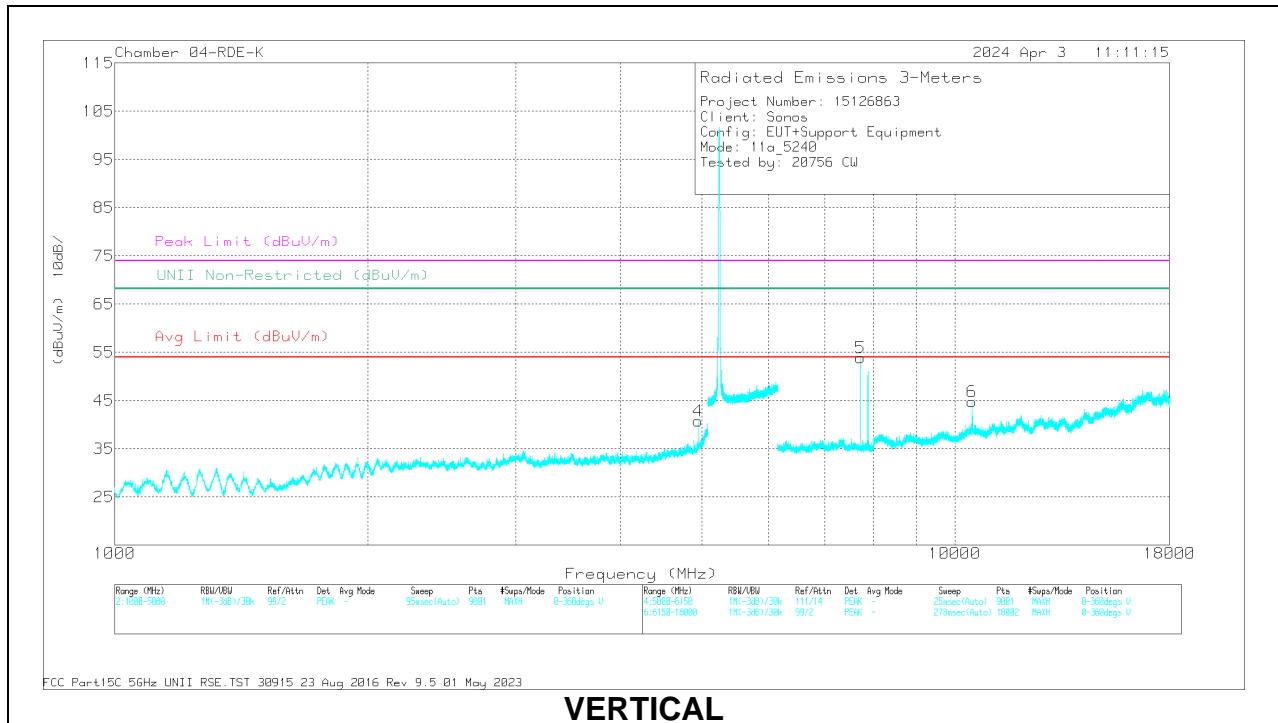
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 4948.19	53.31	PK-U	34.1	-39.7	0	47.71	-	-	74	-26.29	-	-	48	361	V
	* 4946.802	40.27	ADR	34.1	-39.7	.94	35.61	54	-18.39	-	-	-	-	48	361	V
1	* 7728.334	50.67	PK-U	35.9	-38.6	0	47.97	-	-	74	-26.03	-	-	169	112	H
	* 7729.591	36.48	ADR	35.9	-38.6	.94	34.72	-	-19.28	-	-	-	-	169	112	H
5	* 7714.498	48.6	PK-U	35.9	-38.5	0	46	-	-	74	-28	-	-	269	343	V
	* 7711.928	37	ADR	35.8	-38.6	.94	35.14	54	-18.86	-	-	-	-	269	343	V
2	7910.401	51.77	PK-U	36	-38.3	0	49.47	-	-	-	-	68.2	-18.73	177	131	H
6	10477.919	51.85	PK-U	37.6	-37.6	0	51.85	-	-	-	-	68.2	-16.35	253	112	V
3	10483.17	56.53	PK-U	37.7	-37.7	0	56.53	-	-	-	-	68.2	-11.67	351	104	H

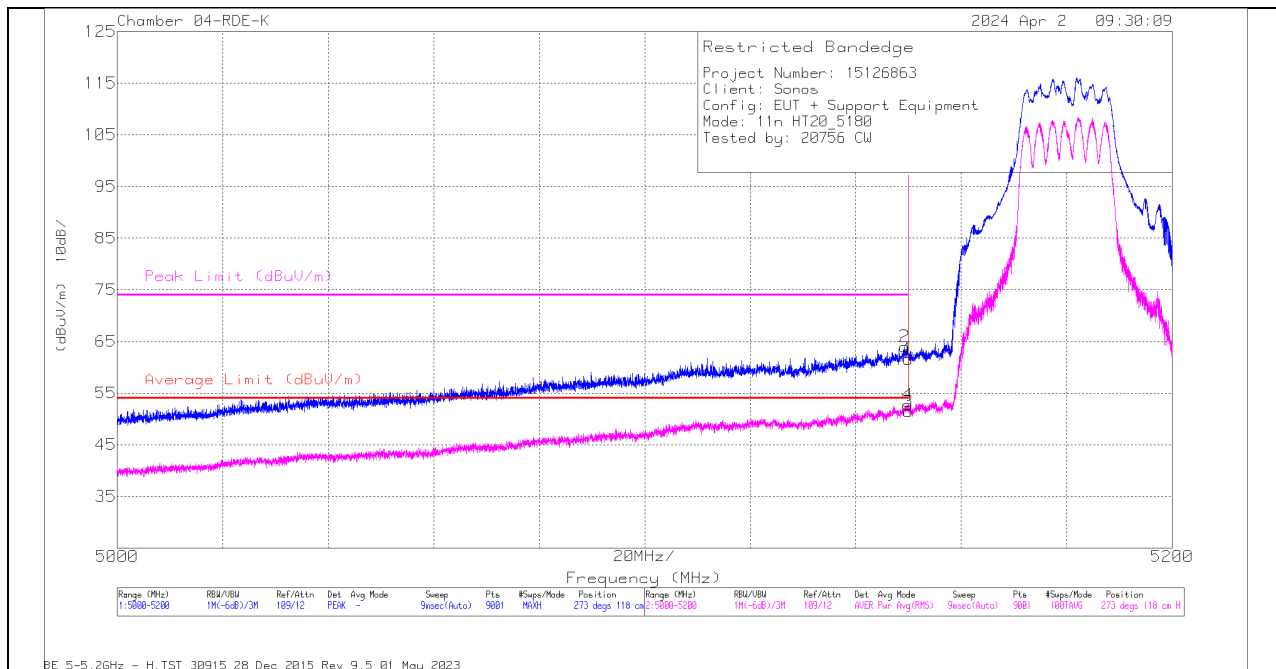
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

10.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

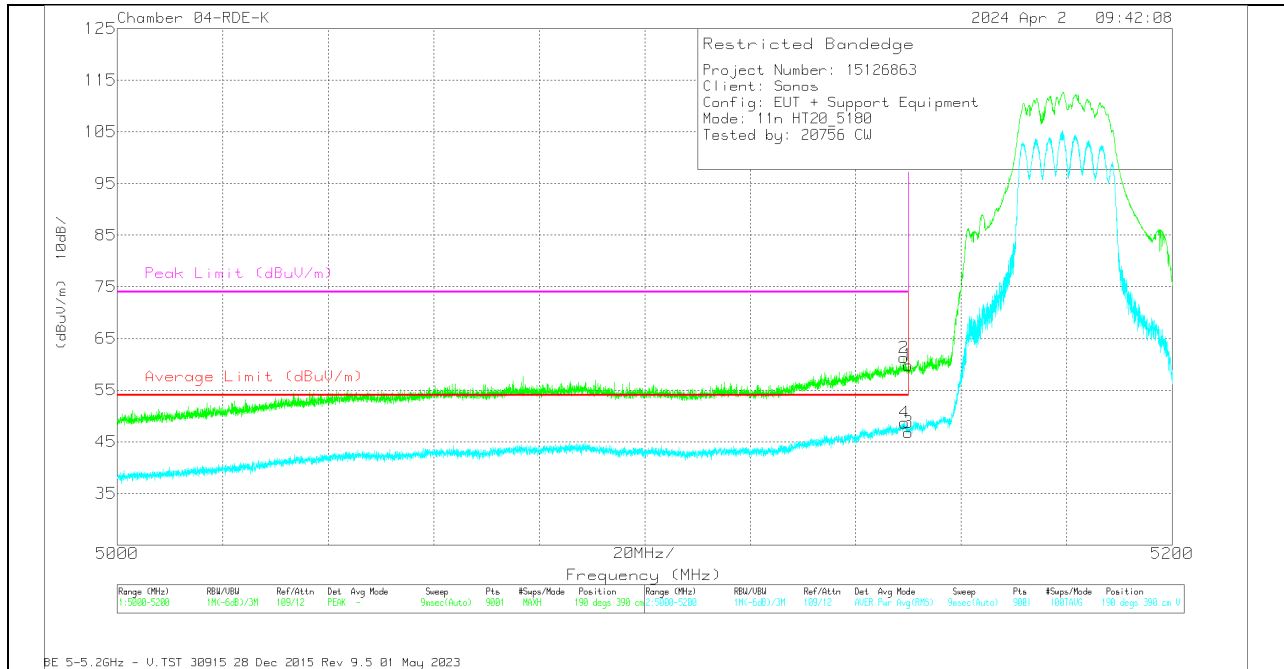


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) -3mH	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5149.287	47.88	Pk	34.4	-18.3	0	63.98	-	-	74	-10.02	273	118	H
4	5149.91	36.04	RMS	34.4	-18.3	.6	52.74	54	-1.26	-	-	273	118	H
1	5150	45.51	Pk	34.4	-18.3	0	61.61	-	-	74	-12.39	273	118	H
3	5150	34.72	RMS	34.4	-18.3	.6	51.42	54	-2.58	-	-	273	118	H

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



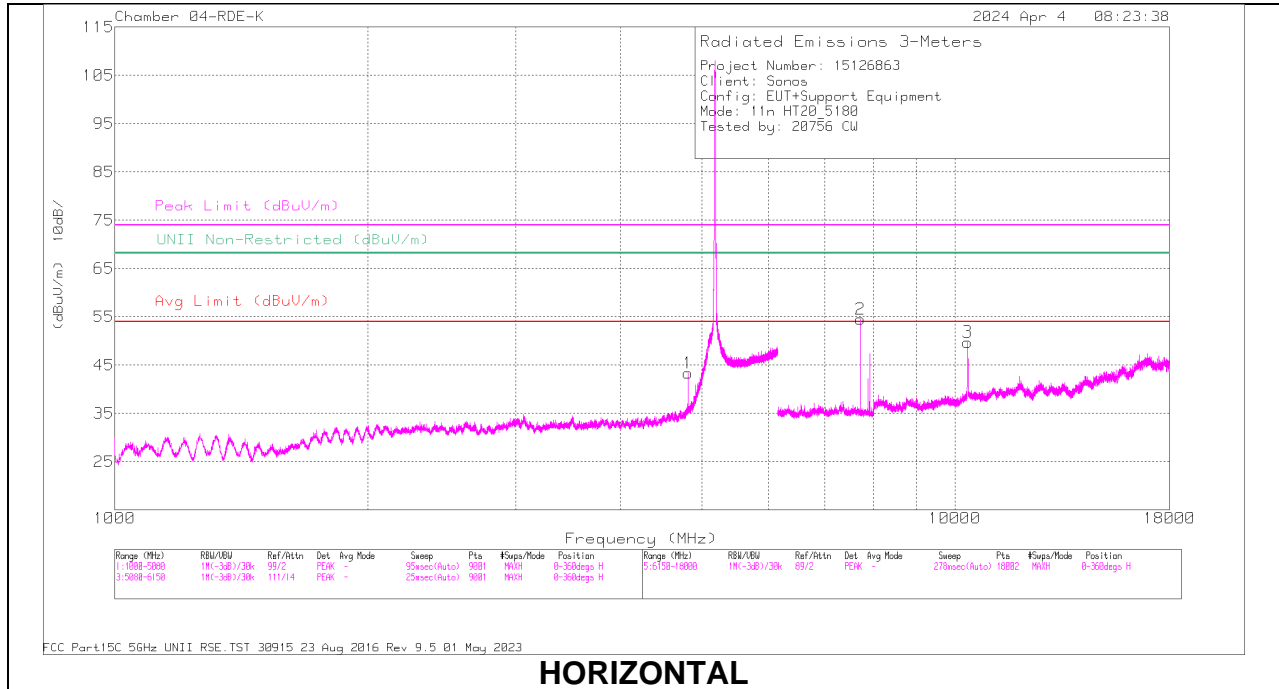
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5149.154	45.07	Pk	34.5	-18.3	0	61.27	-	-	74	-12.73	190	390	V
4	5149.221	32.6	RMS	34.4	-18.3	.6	49.3	54	-4.7	-	-	190	390	V
1	5150	43.76	Pk	34.4	-18.3	0	59.86	-	-	74	-14.14	190	390	V
3	5150	30.72	RMS	34.4	-18.3	.6	47.42	54	-6.58	-	-	190	390	V

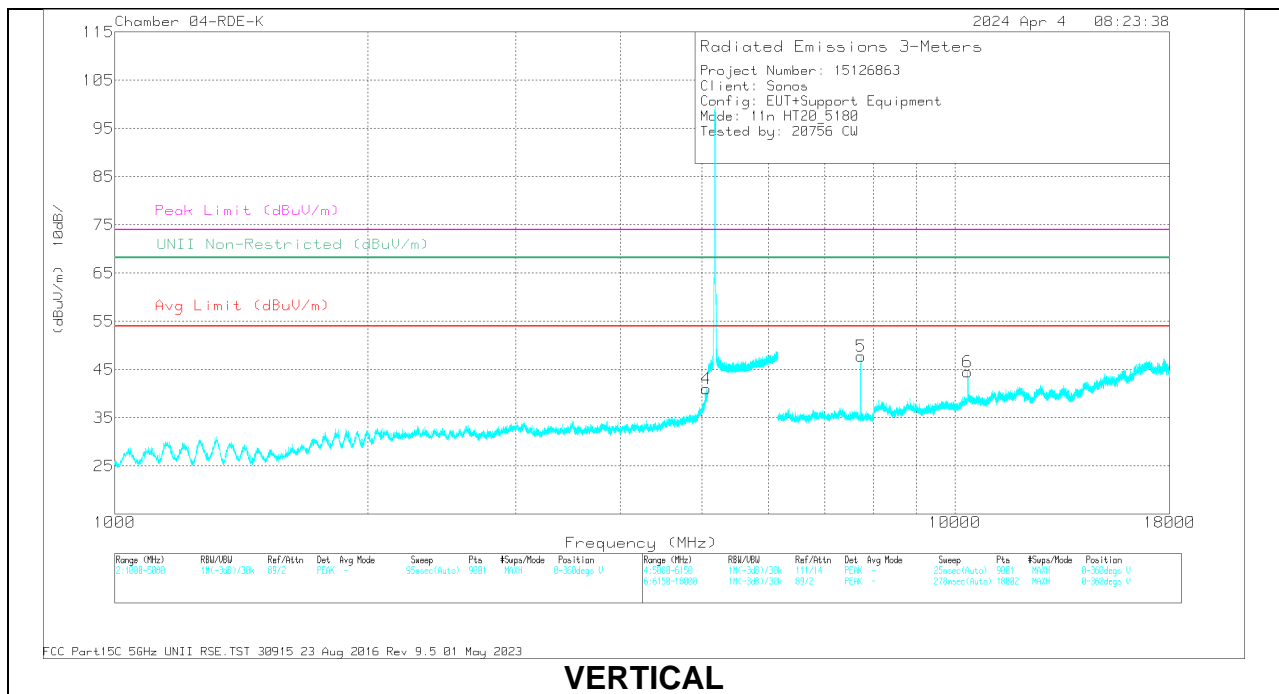
Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



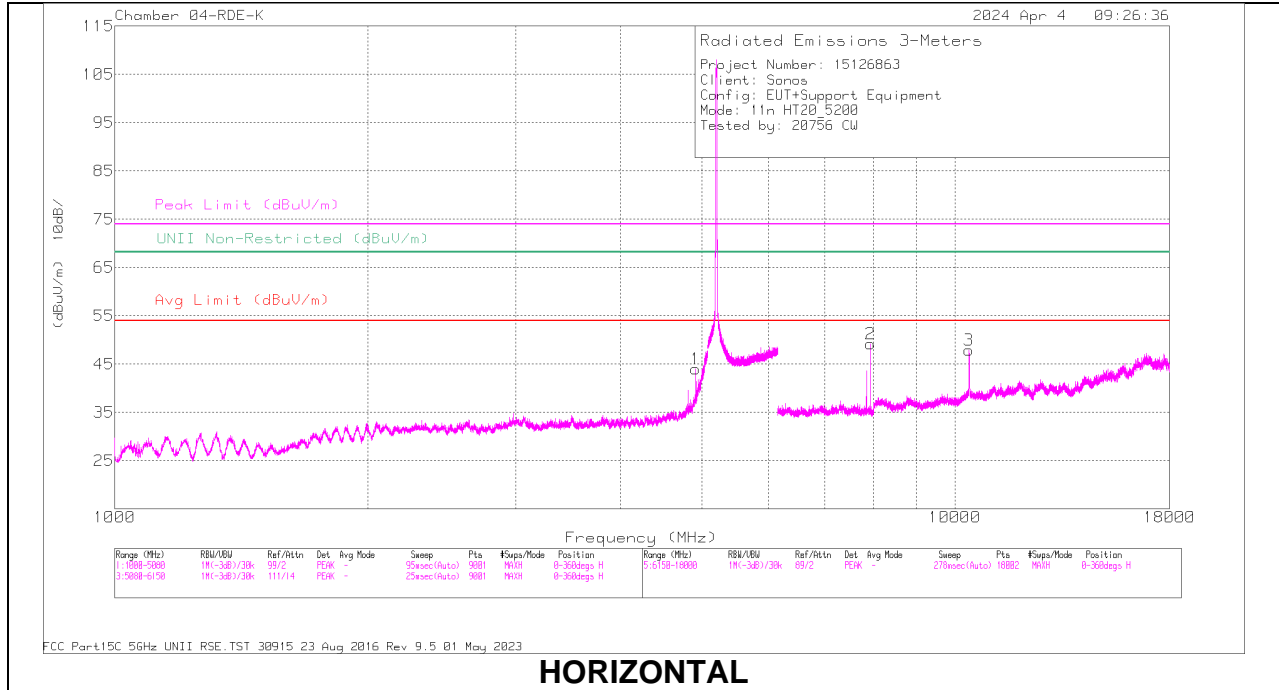
VERTICAL

RADIATED EMISSIONS

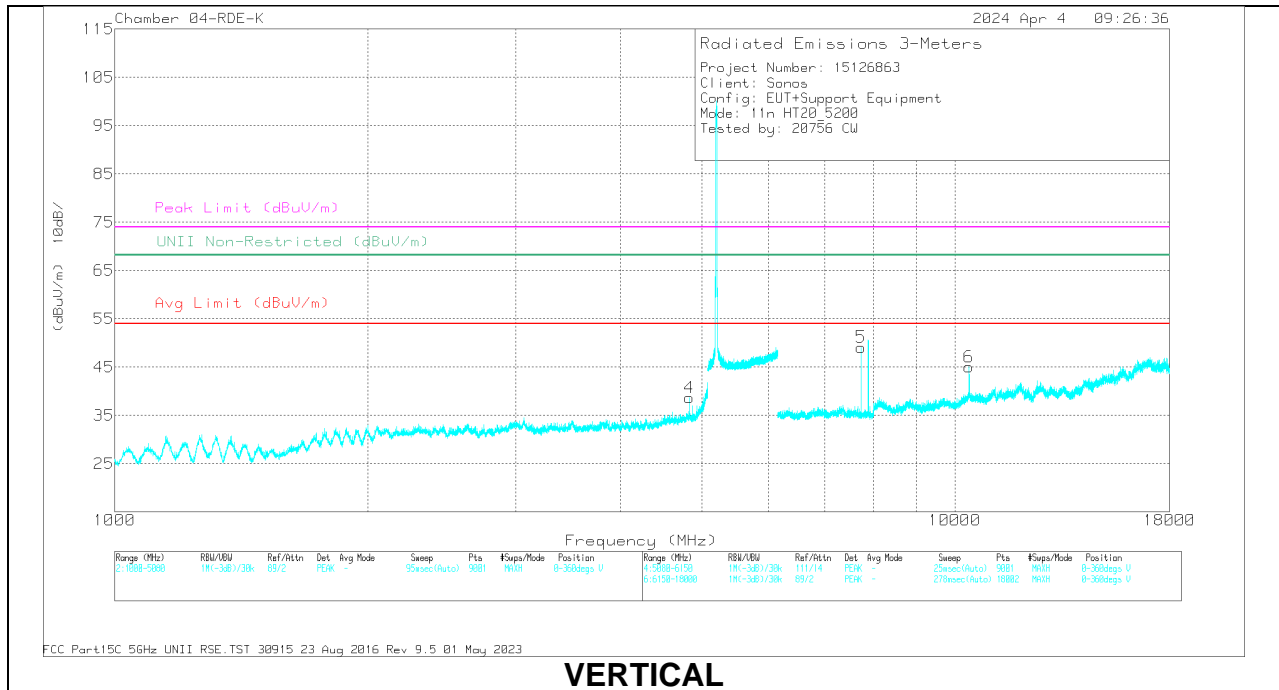
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404 ACF(dB/m) - 3mH	Amp/Cbl/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4810.329	53.87	PK-U	34.9	-40.8	0	47.97	-	-	74	-26.03	-	-	281	354	H
	* 4809.018	40.62	ADR	34.9	-40.8	.6	35.32	54	-18.68	-	-	-	-	281	354	H
4	* 5063.837	56.56	PK-U	34.3	-38.4	0	52.46	-	-	74	-21.54	-	-	269	214	V
	* 5062.198	44.26	ADR	34.3	-38.4	.6	40.76	54	-13.24	-	-	-	-	269	214	V
2	* 7721.869	56.24	PK-U	35.9	-38.6	0	53.54	-	-	74	-20.46	-	-	157	234	H
	* 7719.329	36.73	ADR	35.9	-38.5	.6	34.73	54	-19.27	-	-	-	-	157	234	H
5	* 7728.398	52.63	PK-U	35.9	-38.6	0	49.93	-	-	74	-24.07	-	-	104	140	V
	* 7731.474	36.54	ADR	35	-38.6	.6	34.54	54	-19.46	-	-	-	-	104	140	V
3	10357.549	60.29	PK-U	37.5	-37.6	0	60.19	-	-	-	-	68.2	-8.01	42	123	H
6	10359.353	55.44	PK-U	37.6	-37.6	0	55.44	-	-	-	-	68.2	-12.76	32	103	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



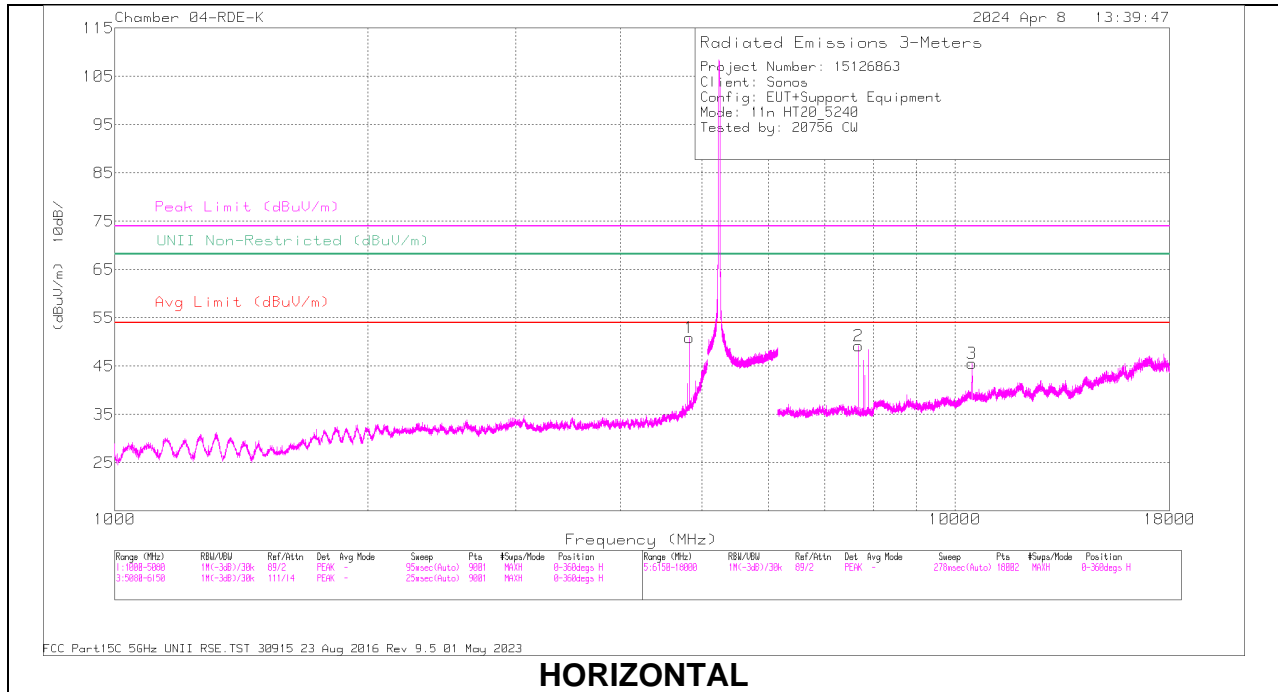
VERTICAL

RADIATED EMISSIONS

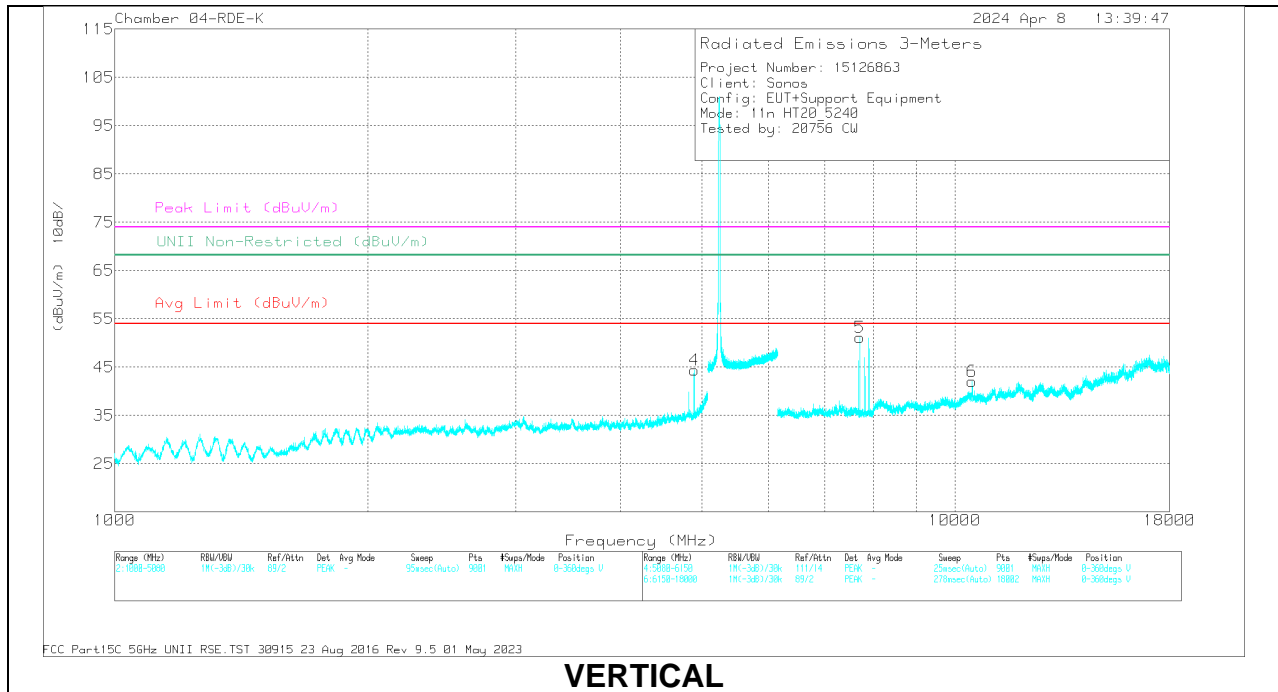
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cb/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)
1	* 4916.326	55.67	PK-U	34.3	-40.1	0	49.87	-	-	74	-24.13	-	-	287	214
	* 4916.45	42.63	ADR	34.3	-40.1	.6	37.43	54	-16.57	-	-	-	-	287	214
4	* 4824.733	50.83	PK-U	34.9	-40.6	0	45.13	-	-	74	-28.87	-	-	146	106
	* 4826.881	39.24	ADR	34.9	-40.5	.6	34.24	54	-19.76	-	-	-	-	146	106
5	* 7734.609	54.91	PK-U	35.9	-38.6	0	52.21	-	-	74	-21.79	-	-	75	366
	* 7735.786	36.88	ADR	35.9	-38.6	.6	34.78	54	-19.22	-	-	-	-	75	366
2	7930.026	51.45	PK-U	35.7	-38.3	0	48.85	-	-	-	-	68.2	-19.35	145	381
3	10394.002	57.8	PK-U	37.7	-37.5	0	58	-	-	-	-	68.2	-10.2	332	201
6	10396.779	56.63	PK-U	37.6	-37.5	0	56.73	-	-	-	-	68.2	-11.47	35	103

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cb/Filtr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)
1	* 4830.262	58.47	PK-U	34.8	-40.5	0	52.77	-	-	74	-21.23	-	-	292	144
	* 4831.34	42.61	ADR	34.8	-40.5	.6	37.51	54	-16.49	-	-	-	-	292	144
4	* 4892.192	55.34	PK-U	34.4	-40.1	0	49.64	-	-	74	-24.36	-	-	209	375
	* 4891.913	41.06	ADR	34.4	-40.1	.6	35.96	54	-18.04	-	-	-	-	209	375
2	* 7686.316	50.31	PK-U	35.8	-38.6	0	47.51	-	-	74	-26.49	-	-	67	188
	* 7683.187	37.1	ADR	35.9	-38.7	.6	34.9	54	-19.1	-	-	-	-	67	188
5	* 7709.039	53.52	PK-U	35.9	-38.5	0	50.92	-	-	74	-23.08	-	-	302	317
	* 7705.286	37.13	ADR	35.9	-38.5	.6	35.13	54	-18.87	-	-	-	-	302	317
6	10480.538	56.27	PK-U	37.7	-37.6	0	56.37	-	-	-	-	68.2	-11.83	36	128
3	10481.007	54.09	PK-U	37.7	-37.6	0	54.19	-	-	-	-	68.2	-14.01	249	102

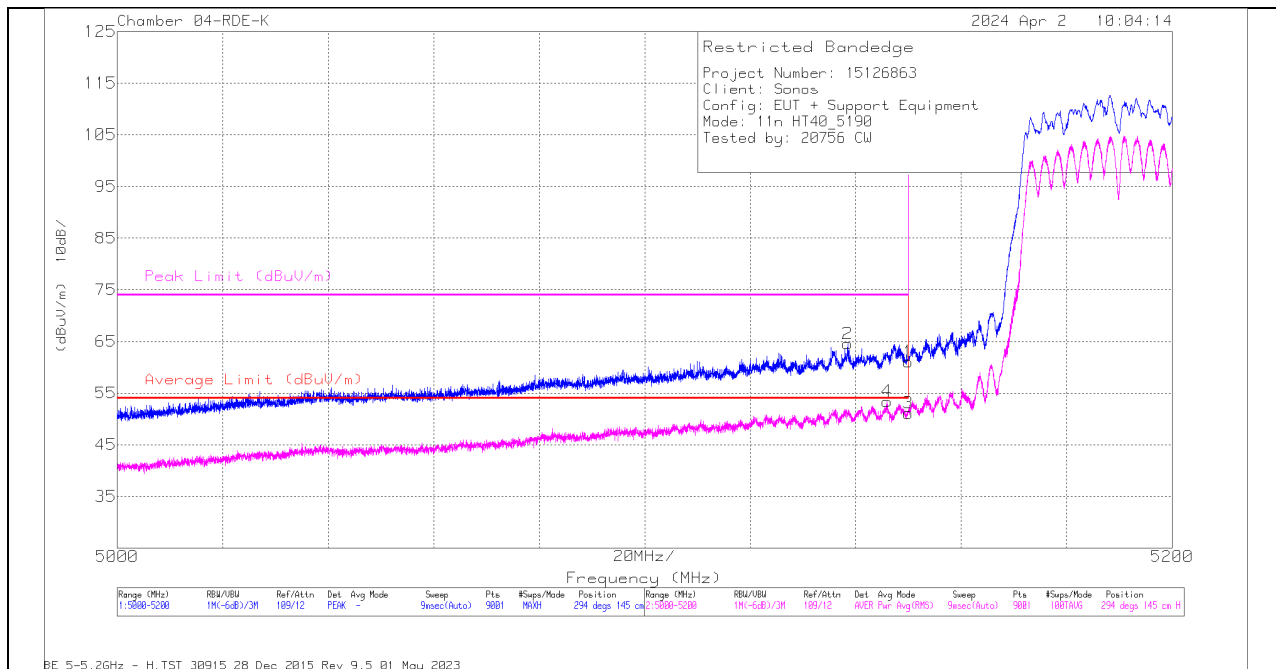
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

10.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 3 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

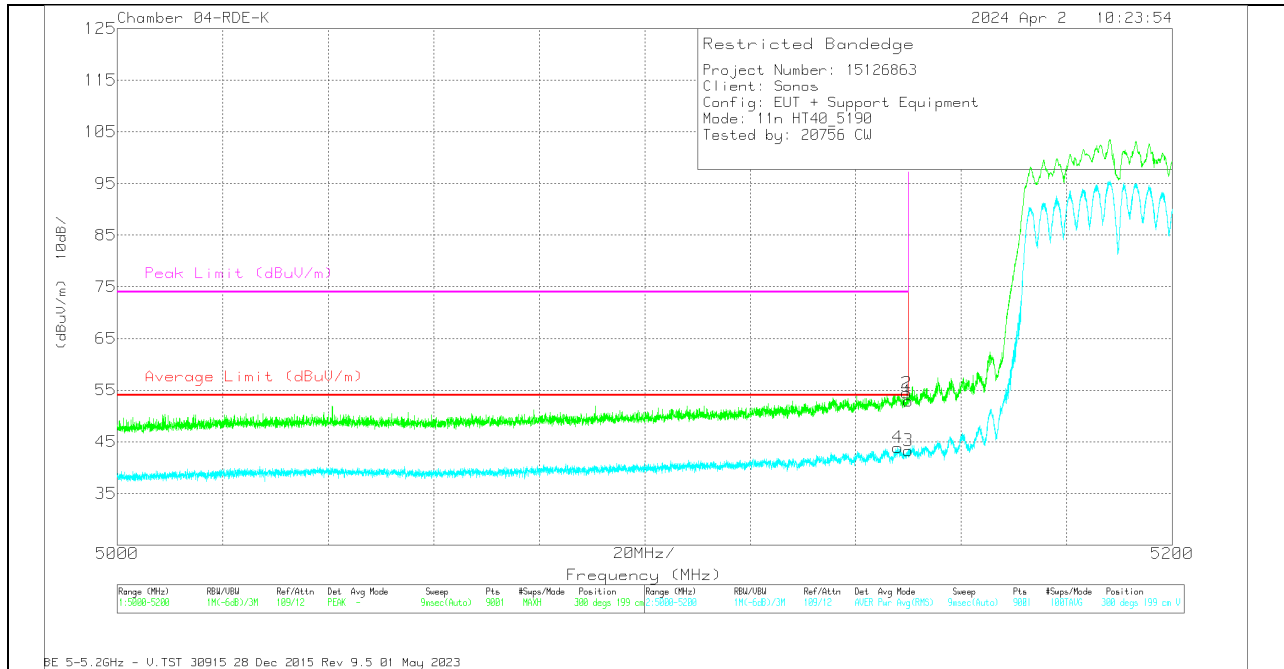


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) -3mH	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5138.465	48.54	Pk	34.4	-18.4	0	64.54	-	-	74	-9.46	294	145	H
4	5145.954	36.23	RMS	34.4	-18.4	1.14	53.37	54	-63	-	-	294	145	H
1	5150	44.95	Pk	34.4	-18.3	0	61.05	-	-	74	-12.95	294	145	H
3	5150	33.88	RMS	34.4	-18.3	1.14	51.12	54	-2.88	-	-	294	145	H

Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	80404_ACF(dB/m) - 3mH	Amp/Cbl (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5147.976	26.57	RMS	34.5	-18.3	1.14	43.91	54	-10.09	-	-	300	199	V
2	5149.665	38.33	Pk	34.4	-18.3	0	54.43	-	-	74	-19.57	300	199	V
1	5150	36.79	Pk	34.4	-18.3	0	52.89	-	-	74	-21.11	300	199	V
3	5150	26.04	RMS	34.4	-18.3	1.14	43.28	54	-10.72	-	-	300	199	V

Pk - Peak detector
 RMS - RMS detection